a. Paint shall be factory tinted and mixed. All paint shall be field mixed before applying in order to keep the pigments in uniform suspension.

b. Field Painting
When the erection work is complete, including all bolting and straightening of bent metal, all adhering rust, scale, dirt, grease or other foreign materials shall be removed as specified above. As soon as the Engineer has examined and approved each steel and metal works structures, all field bolts, all welds, and any surfaces from which the top or first coat of paint has become worn off, or has otherwise come defective shall be cleaned and thoroughly covered with one coat of paint. Surfaces to be bolted and surfaces which shall be in contact with concrete, shall not be painted. Surfaces which shall be inaccessible after erection shall be painted with such field coats as are required. When the paint applied for retouching the shop coat has thoroughly dried, and the field cleaning has been satisfactorily completed, such field coats as are required shall be applied. In no case shall a succeeding coat be applied until the previous coat is dry throughout the full thickness of the paint film. All small cracks and cavities which were not sealed in a watertight manner by the first field coat shall be filled with a pasty mixture of red lead and linseed oil before the second coat is applied. The following provision shall apply to the application of both coats. To secure a maximum coating on edges of plates or shapes, bolt heads and other parts subjected to special wear and attack, the edges shall first be striped with a longitudinal motion and the bolt heads with a rotary motion of the brush, followed immediately by the general painting of the whole surface, including the edges and bolt heads. The application of the second field coat shall be deferred until adjoining concrete work has been placed and finished. If concreting operations have damaged the paint, the surface shall be re-cleaned and repainted.

c. General Manners
Painting shall be done in a neat and workmanlike manner. Paint may be applied with hand brushes or be spraying, except aluminum paint which preferably shall be applied by spraying. By either method the coating of paint applied shall be smoothly and uniformly spread so that no excess paint shall collect at any point. If the work done by spraying is not satisfactory to the Engineer hand brushing shall be required.

d. Brushing
When brushes are used, the paint shall be so manipulated under the brush as to produce a smooth, uniform, even coating in close contact with the metal or with previously applied paint, and shall be worked into all corners and crevices.

e. Spraying
Power spraying equipment shall be used to apply the paint in a fine spray. Without the addition of any paint, the sprayed area shall be immediately followed by brushing, when necessary, to secure uniform coverage and to eliminate wrinkling, blistering and air holes.

f. Removal of Paint
If the painting is unsatisfactory to the Engineer the paint shall be removed and the metal thoroughly cleaned and repainted.

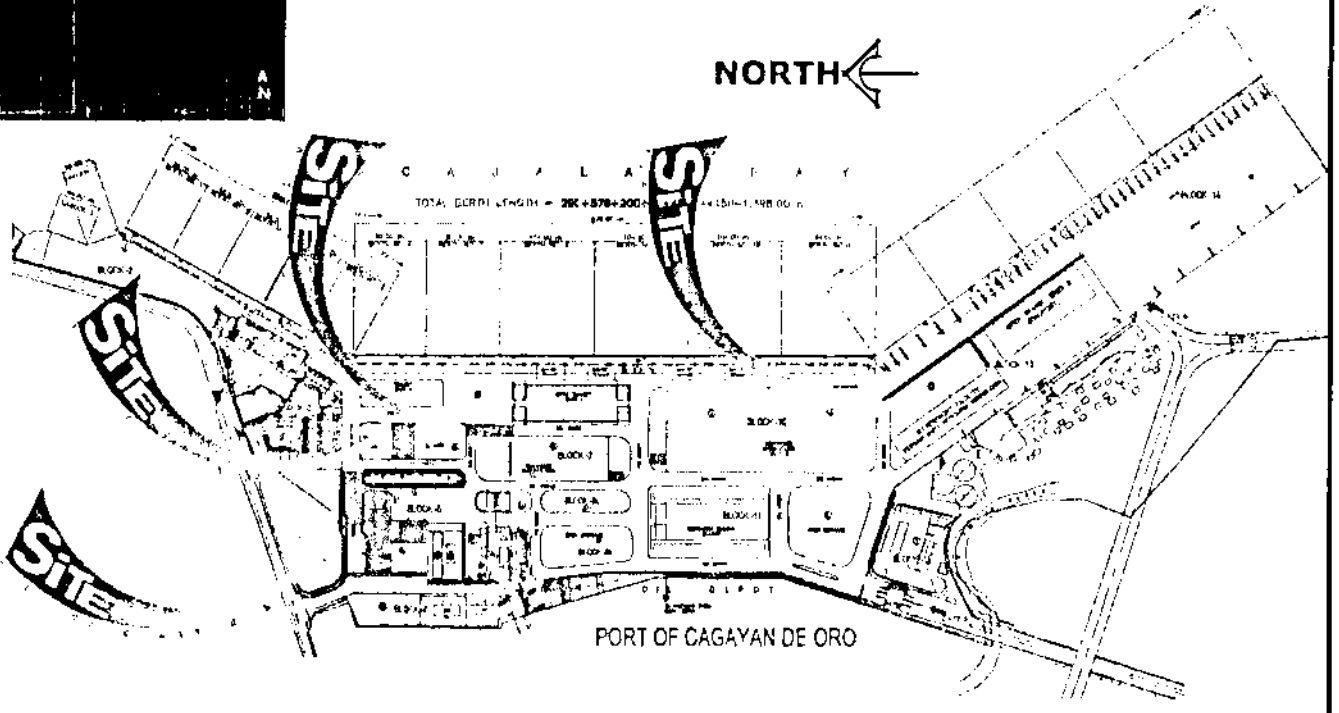
SECTION VII

DRAWINGS
(APPROVED PLANS)



VICINITY MAP
SCALE: VERIFY

NORTH



LOCATION PLAN
SCALE: VERIFY

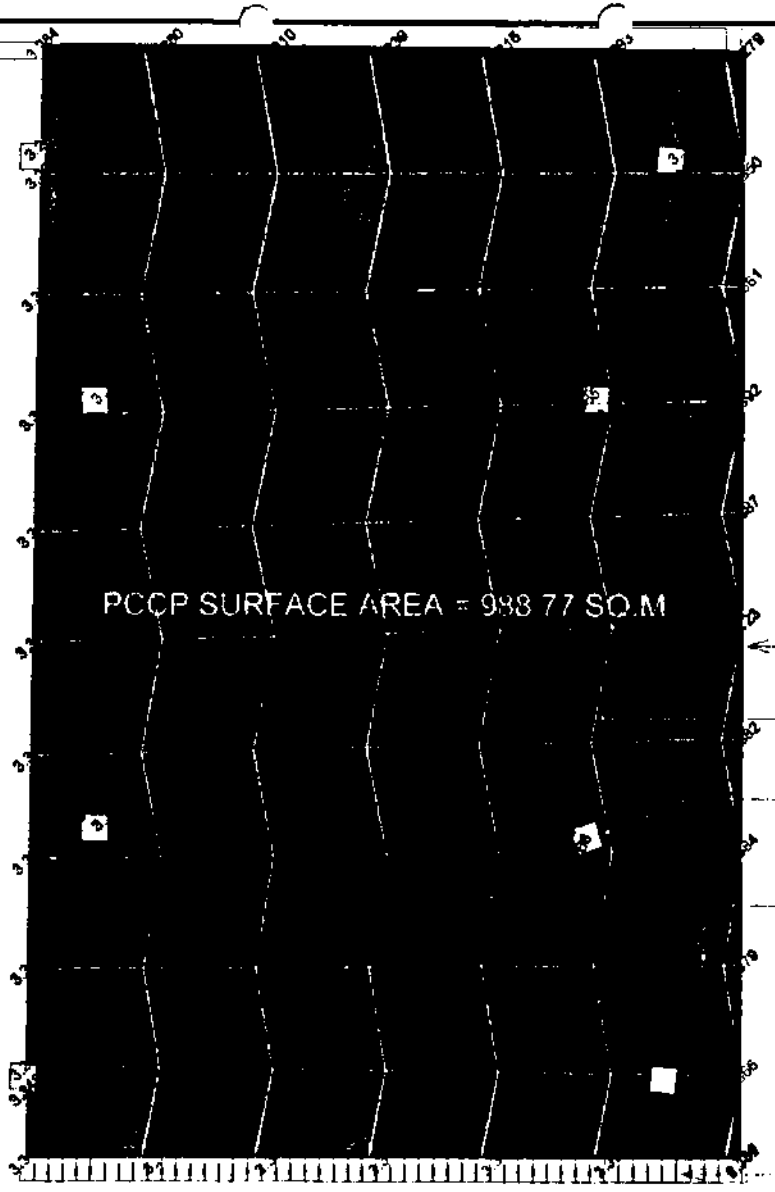
PHILIPPINE PORTS AUTHORITY

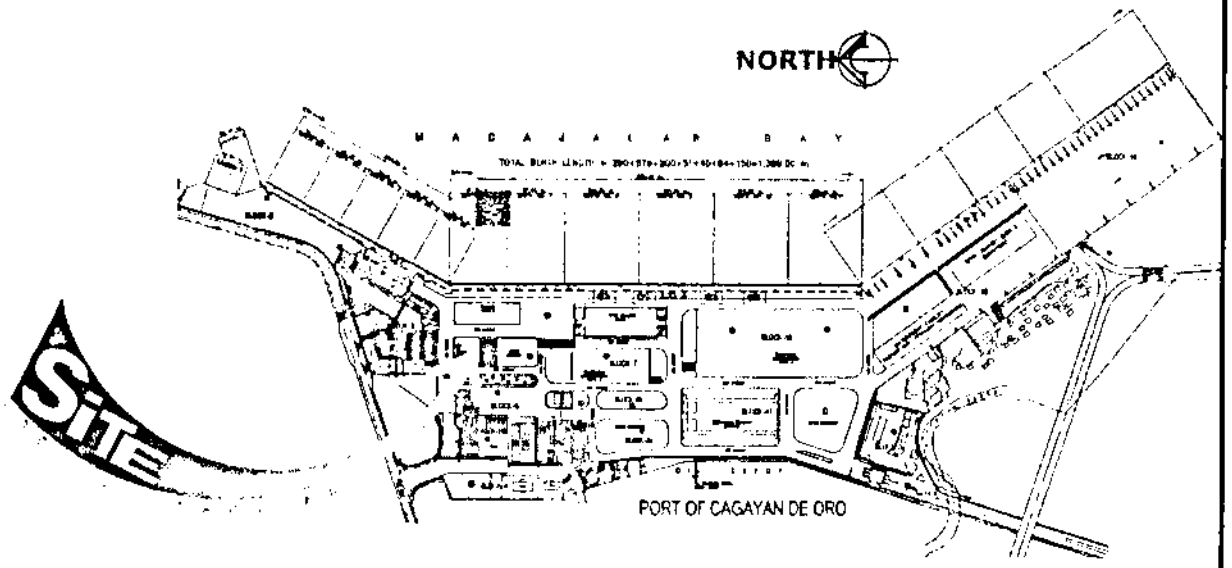
PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,6,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL T. G. MIGAD Construction Foreman	MARC M. AVELLANA Engineering Engineer	ANTONIO M. TORCINO, JR. OIC - EBD Manager	[redacted] Port Manager	REYNANTE P. PARAYNO Manager, PMOD	JAMES J. GANTALAO AGM for Engineering

SHEET CONTENTS:
- VICINITY MAP
- LOCATION PLAN

SHEET No.: 1 OF 01
DATE: FEBRUARY 16, 2022
CAD BY: AUNSAME





CONSTRUCTION LIMIT

SAWED TRANSVERSE CONTRACTION JOINT
EVERY 4.00 METERS SPACED 80.1 FROM
PAVEMENT LONGITUDINAL AXIS

EXISTING CATCH DRAIN STEEL COVERS
FOR REPAIR/REPLACEMENT & DECLOGGING

LONGITUDINAL CONSTRUCTION JOINT
ALIGNED W/ EXISTING ROAD
LONGITUDINAL CONSTRUCTION JOINT

NORTH

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
17.PCCP at Area F&G Volume by Dashboard	1.00	1.05	988.77sq.m	0.00 Cu. M.	311.24 Cu. M.	311.24 Cu. M.<Fill>
Totals			988.77sq.m	0.00 Cu. M.	311.24 Cu. M.	311.24 Cu. M.<Fill>

EXISTING 51 POS. CONCRETE COVER DRAINAGE
FOR REPLACEMENT

PCCP AT AREA "F" & "G" VOLUME BY DASHBOARD

SCALE: 1:100M

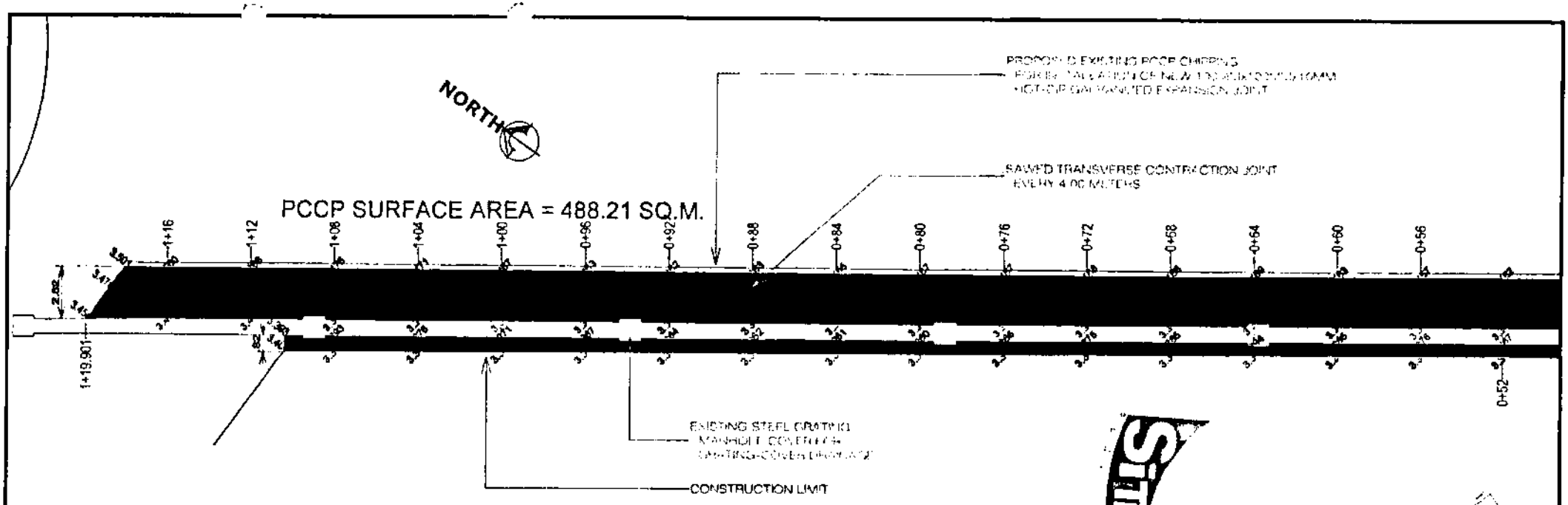
PHILIPPINE PORTS AUTHORITY

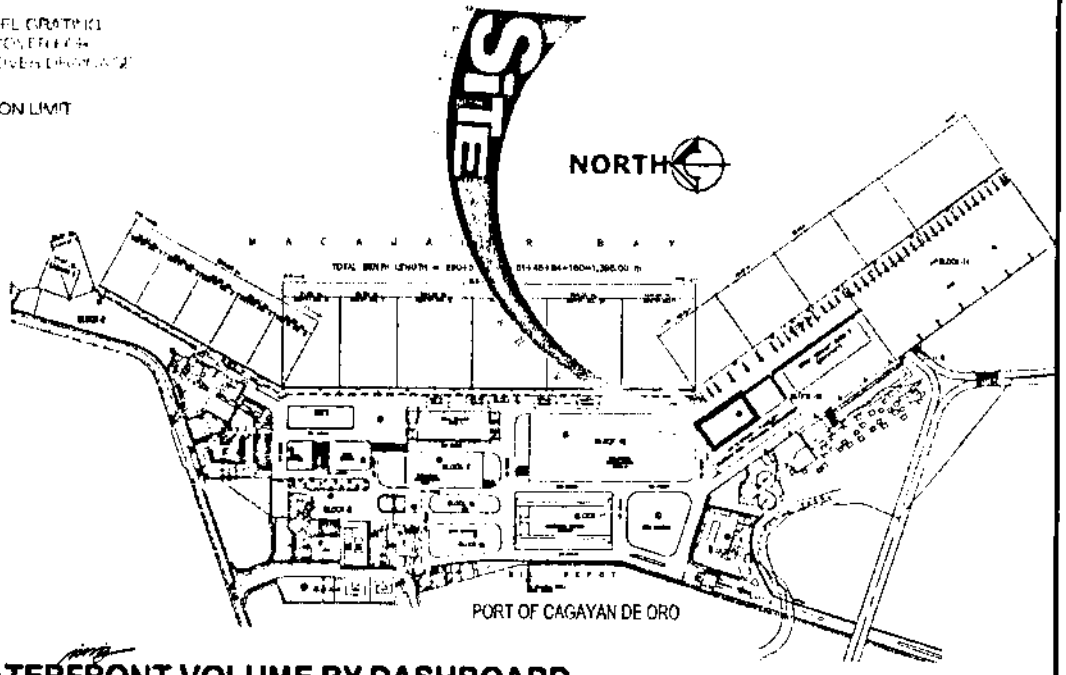
PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KARL T. BUMALAY Construction Foreman	MARC M. AVELLANA Supervising Engineer	ANTONIO M. TURCINO, JR. OIC - EBD Manager	ISIDRO V. EUTASLAC, JR. Port Manager	REYNANO C. ARAFINA Manager, PDD	JAMES J. SANTALAO Asst Gm Engineering

SHEET CONTENTS:
- PCCP AT AREA "F" & "G" VOLUME BY DASHBOARD
  - TOTAL VOLUME = 311.24 CU.M

SHEET No.: 2 OF 20
DATE: FEBRUARY 16, 2022
CAD BY: JUNSAMZ





Cut/Fill Summary

Name	Cut Factor	Fill Factor	3d Area	Cut	Fill	Net
20.PCCP at Area Q near Waterfront Volume by Dashboard	1.00	1.05	488.21sq.m	0.00 Cu. M.	153.80 Cu. M.	153.80 Cu. M.<Fill>
Totals			488.21sq.m	0.00 Cu. M.	153.80 Cu. M.	153.80 Cu. M.<Fill>

PCCP AT AREA "Q" NEAR SHELL WATERFRONT VOLUME BY DASHBOARD

SCALE: 1:100M

PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL Y. SUNCAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TOROMO, JR., OIC - EBD Manager	ISIDRO A. BUTAL, JR., Port Manager	REYNALDO C. PARAFINA, Manager, PPDD	JAMES J. GAMYLAO, Acting Engineering

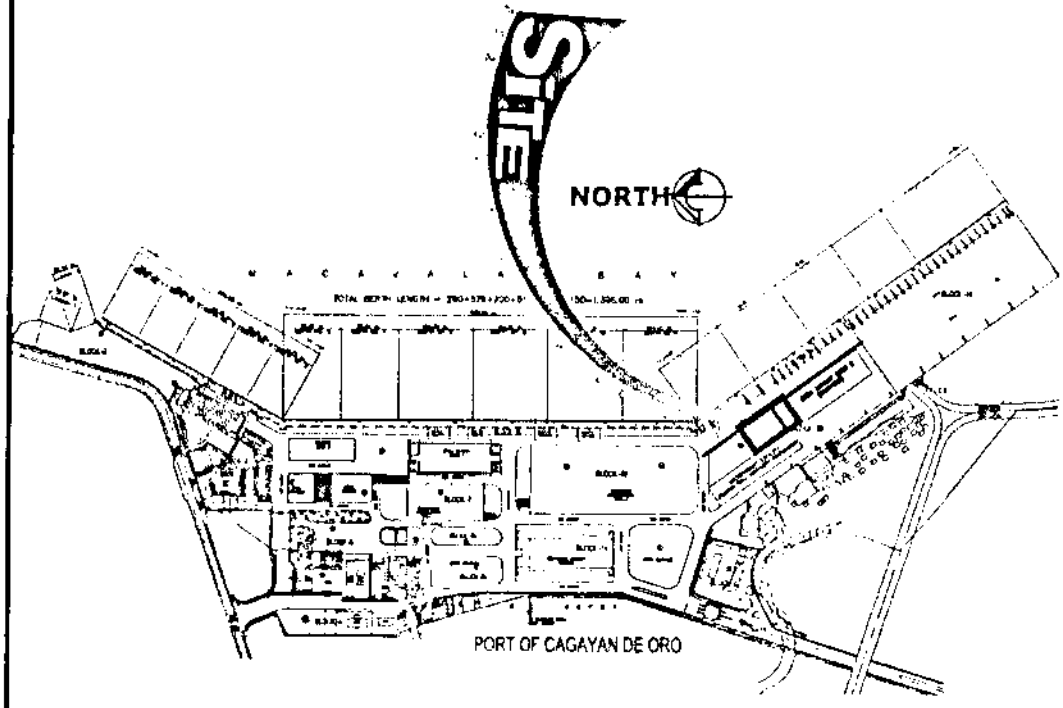
SHEET CONTENTS:
- PCCP AT AREA "Q" NEAR SHELL WATERFRONT VOLUME BY DASHBOARD
  - TOTAL VOLUME = 153.80 CU.M.

SHEET No.: 3 OF 30
DATE: FEBRUARY 16, 2022
CAD BY: JUNSAM2

PCCP SURFACE AREA = 488.21 SQ.M.

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2D Area	Cut	Fill	Net
20.PCCP at Area Q near Waterfront Volume by Dashboard	1.00	1.05	488.21sq.m	0.00 Cu. M.	153.00 Cu. M.	153.00 Cu. M.(Fill)
Totals			488.21sq.m	0.00 Cu. M.	153.00 Cu. M.	153.00 Cu. M.(Fill)



PCCP AT AREA "Q" NEAR SHELL WATERFRONT VOLUME BY DASHBOARD

SCALE: 1:100M

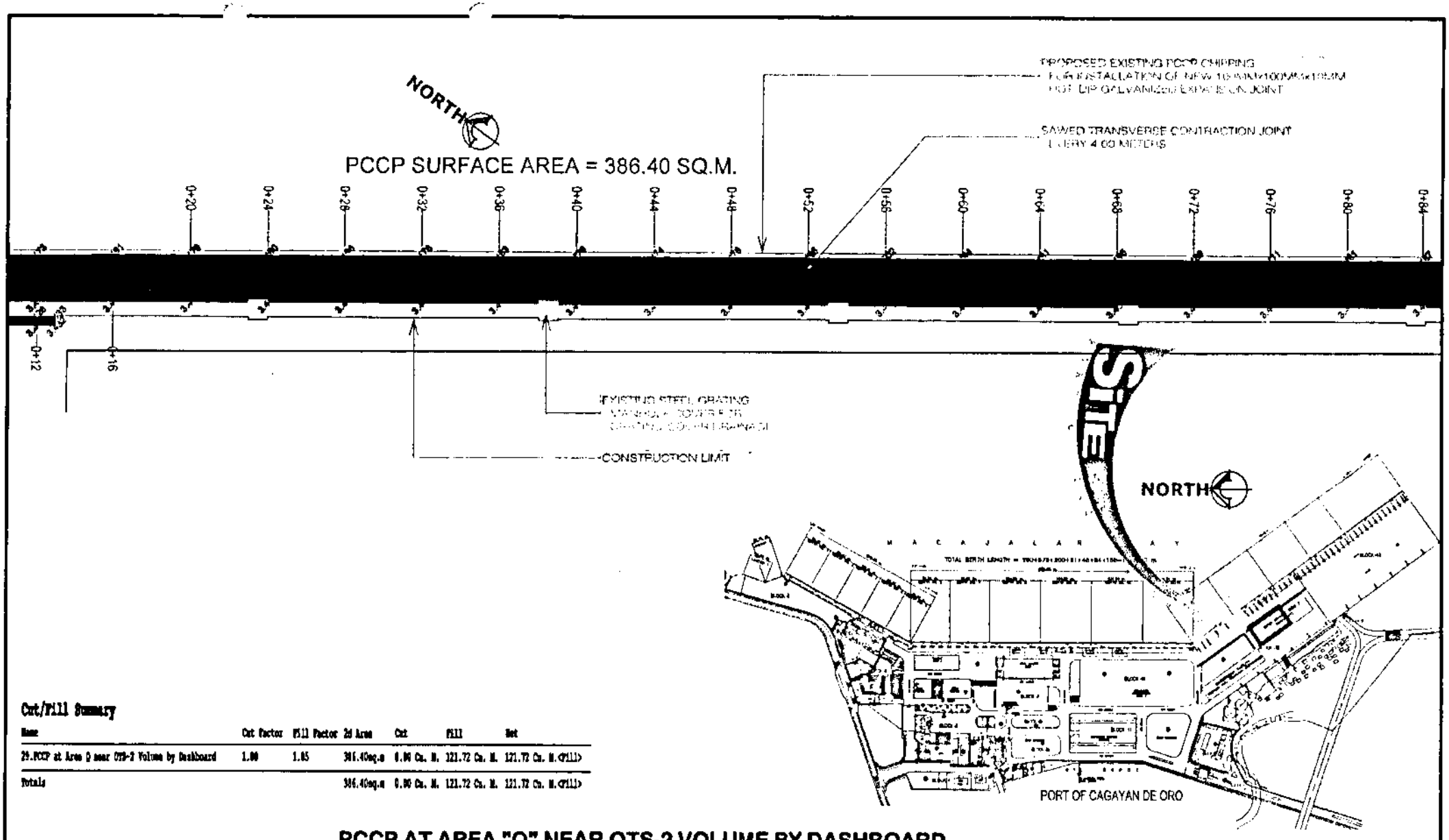
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL T. SUMICAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCINO, JR., OIC - ESH Manager	ISIDRO V. BUTASLAC, JR., Port Manager	REYNANTE L. PARAFINA, Manager, PPDD	JAMES J. QUINTALAD, AOM,Jr. Engineering

SHEET CONTENTS:
- PCCP AT AREA "Q" NEAR SHELL WATERFRONT VOLUME BY DASHBOARD
  TOTAL VOLUME = 153.00 CU.M.
- PCCP AT AREA "Q" NEAR OTS-2 VOLUME BY DASHBOARD
  TOTAL VOLUME = 51.72 CU.M.

SHEET No.: 4 OF 30
DATE: FEBRUARY 16, 2022
CAD BY: JUNIAMZ



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
29.PCCP at Area Q near OTS-2 Volume by Dashboard	1.00	1.00	386.40sq.m	0.00 Cu. M.	121.72 Cu. M.	121.72 Cu. M.<Fill>
Totals			386.40sq.m	0.00 Cu. M.	121.72 Cu. M.	121.72 Cu. M.<Fill>

PCCP AT AREA "Q" NEAR OTS-2 VOLUME BY DASHBOARD

SCALE: 1:100M

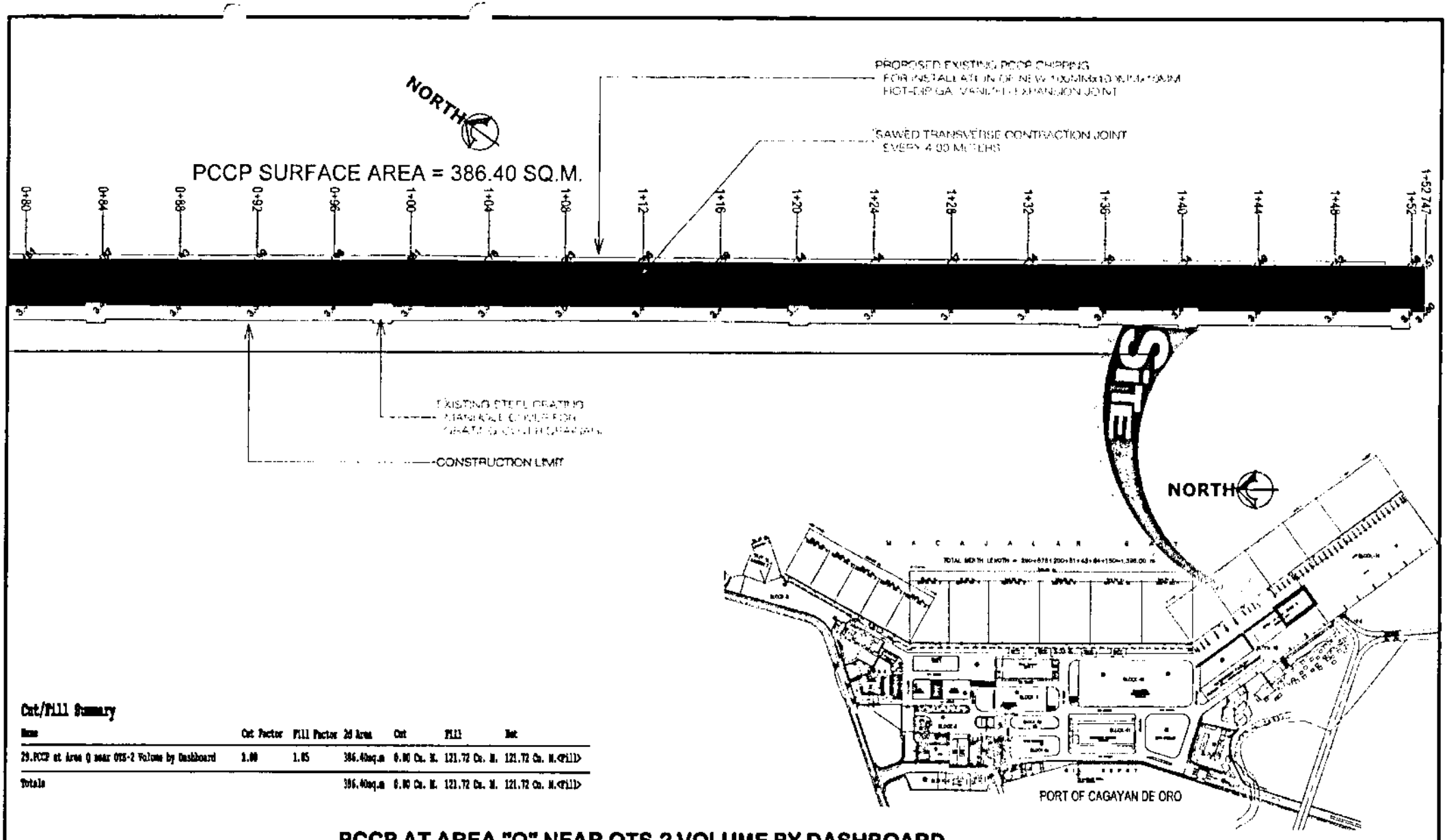
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL H. SUMACAD	MARC M. VAVELLANA	ANTONIO M. TORCINO, JR.	ISIDRO V. BUTALID, JR.	REYNANDO PARARINA	JAMES J. GANTALAO
Construction Foreman	Supervising Engineer	OIC - EBD Manager	Port Manager	Manager, POD	AGM for Engineering

SHEET CONTENTS:
- PCCP AT AREA "Q" NEAR OTS-2 VOLUME BY DASHBOARD
- TOTAL VOLUME = 121.72 C.M.

SHEET No.: 5 OF 20
DATE: FEBRUARY 10, 2023
CAD BY: JUNEAM2



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
29.PCCP at Area Q near OTS-2 Volume by Dashboard	1.00	1.05	386.40sq.m	0.00 Cu. M.	121.72 Cu. M.	121.72 Cu. M.<Fill>
Totals			386.40sq.m	0.00 Cu. M.	121.72 Cu. M.	121.72 Cu. M.<Fill>

PCCP AT AREA "Q" NEAR OTS-2 VOLUME BY DASHBOARD

SCALE: 1:100M

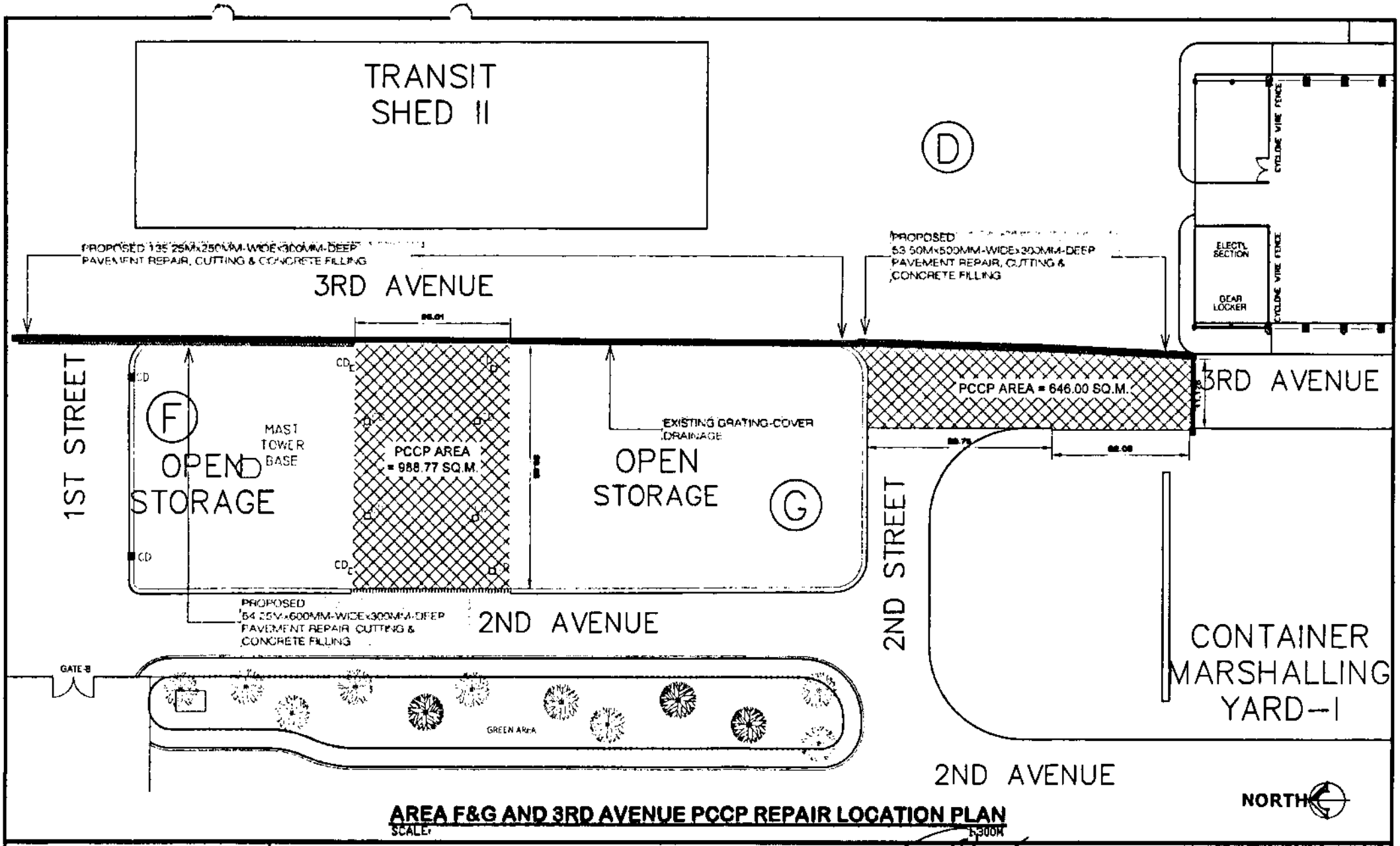
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KARL T. SLAMCAD Construction Foreman	MARCM AVELLANA Supervising Engineer	ANTONIO M. TORCINO, JR. OIC - EBD Manager	IBIDRO V. BUTASLAC, JR. Port Manager	REYNAND C. PARAFINA Manager, APDD	JAMES J. CANTALEJO AOM, Jr. Engineering

SHEET CONTENTS:
- PCCP AT AREA "Q" NEAR OTS-2 VOLUME BY DASHBOARD
TOTAL VOLUME = 121.72 C.U.M.

SHEET No.: 6 OF 20
DATE: FEBRUARY 16, 2022
CAD BY: JUNSAME



AREA F&G AND 3RD AVENUE PCCP REPAIR LOCATION PLAN

SCALE: 1:300M

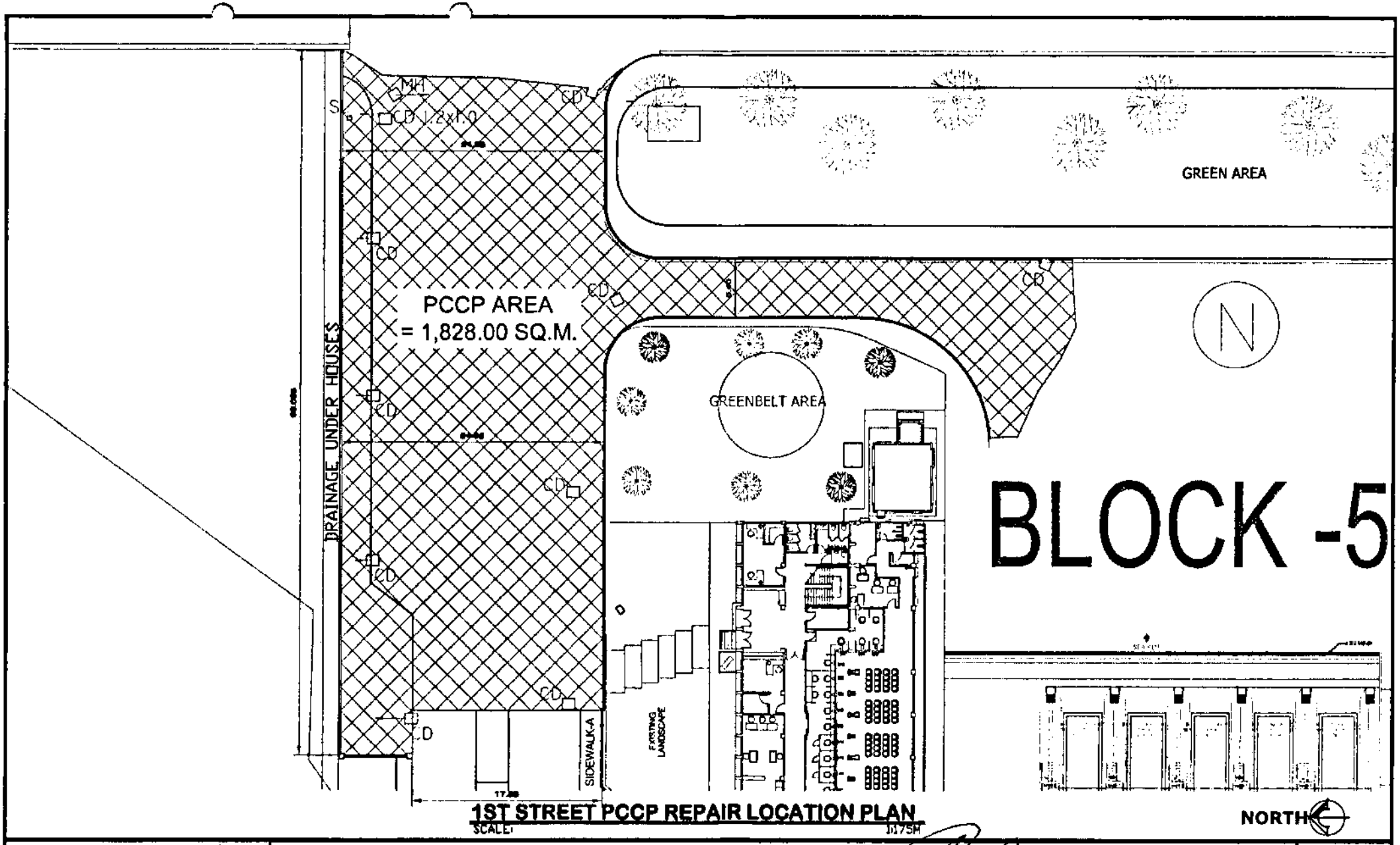
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KARELT GOMEZAS, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCINO, JR., OIC - ESD Manager	ISIDRO V. BUTASLAC, JR., Port Manager	REYNAND C. PANAFINA, Manager / PDD	JAMES J. GANTALAO, AOM for Engineering

SHEET CONTENTS:
- AREA F&G AND 3RD AVENUE PCCP REPAIR LOCATION PLAN

SHEET No.: 7 OF 20
DATE: FEBRUARY 16, 2022
CAD BY: JUNSAME



1ST STREET PCCP REPAIR LOCATION PLAN

SCALE: 1:175M

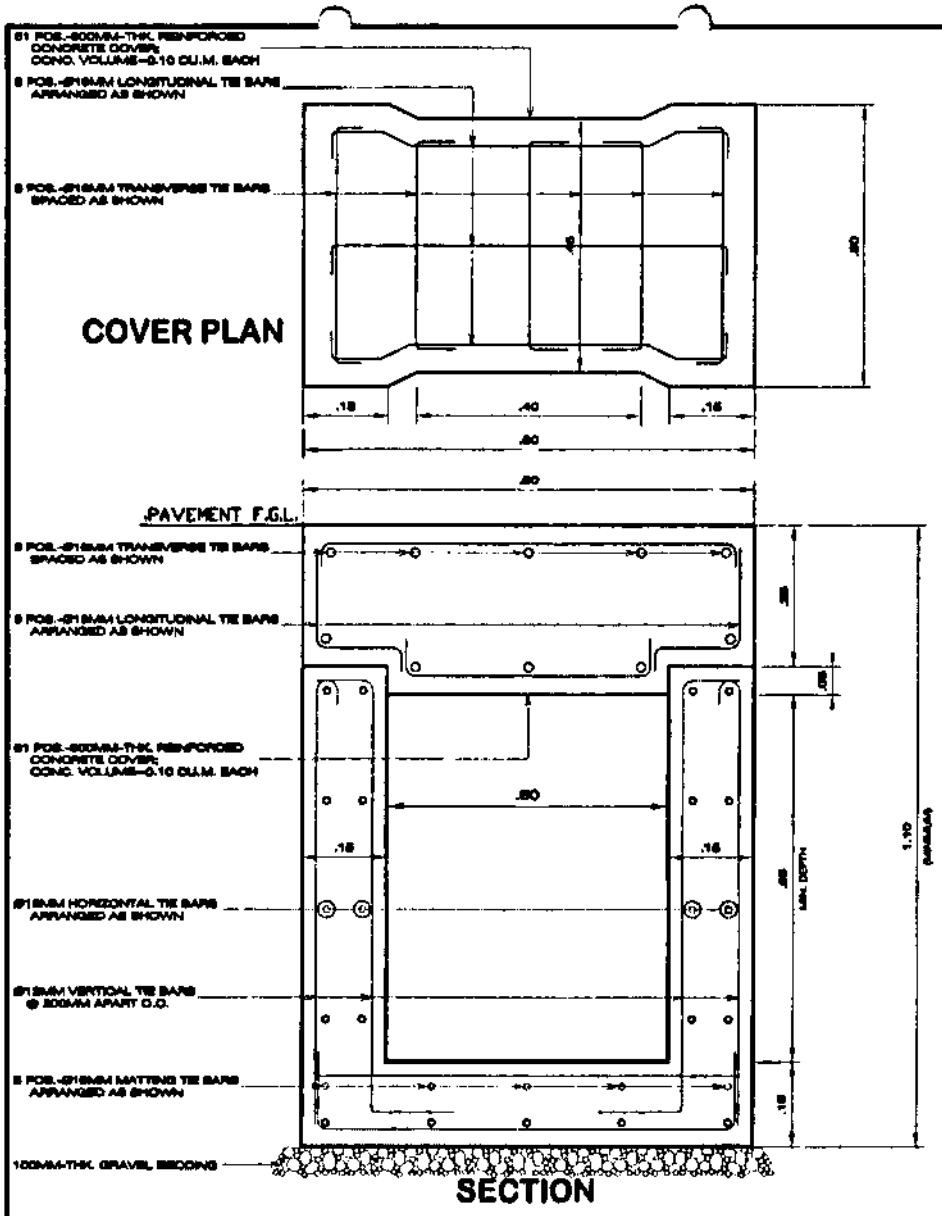
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
JOARE T. BUMCAG, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCINO, JR., OIC - ESD Manager	ISIDRO V. BUTABLAC, JR., Port Manager	REYNAND C. ARAPINA, Manager, POD	JAMES J. QUINTALAO, AOM for Engineering

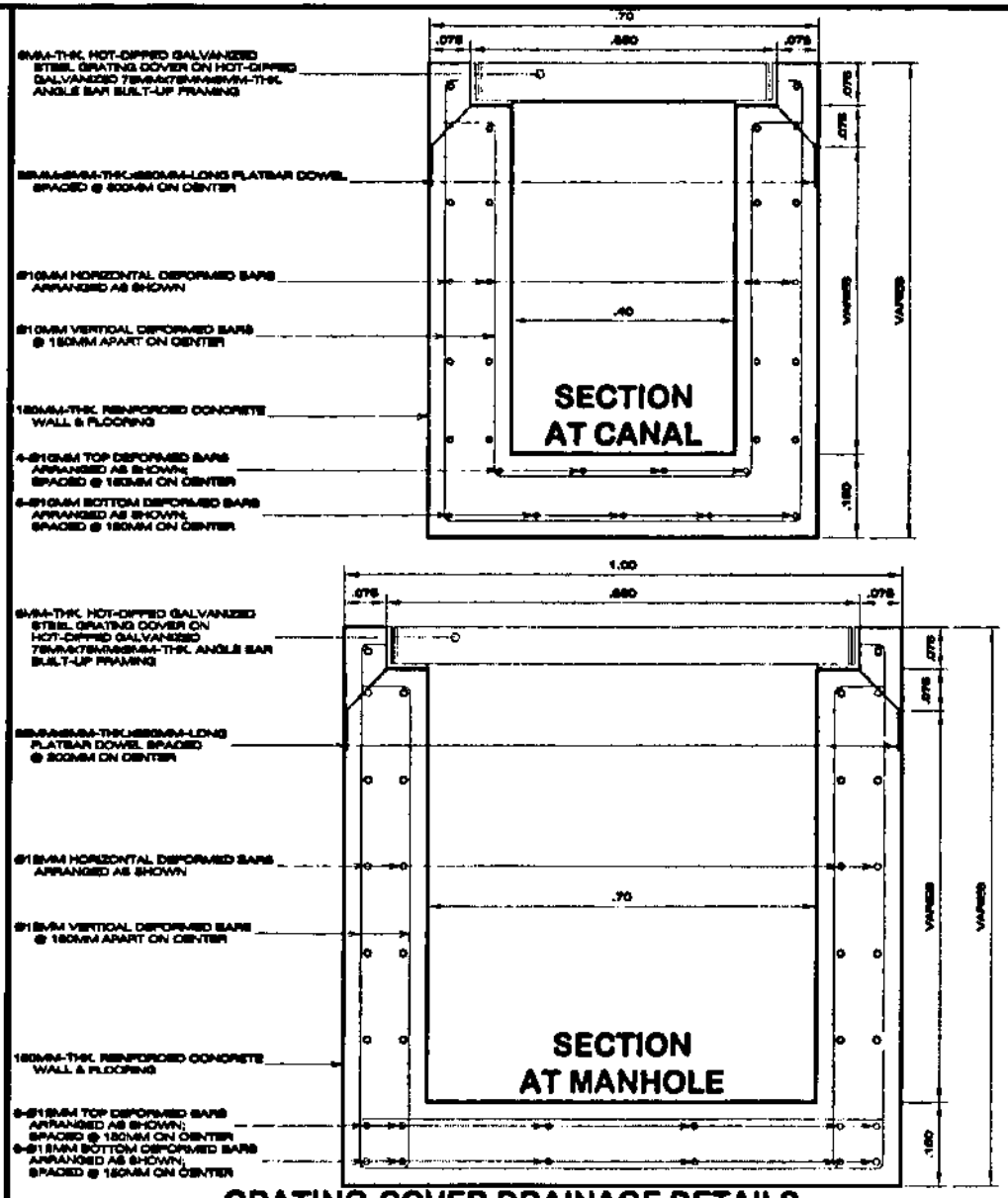
SHEET CONTENTS:
- 1ST STREET PCCP REPAIR LOCATION PLAN

SHEET No.: 5 OF 20
DATE: FEBRUARY 16, 2022
CAD BY: JUNSAMZ



CONCRETE-COVER DRAINAGE DETAILS

SCALE: 1:5M



GRATING-COVER DRAINAGE DETAILS

SCALE: 1:5M

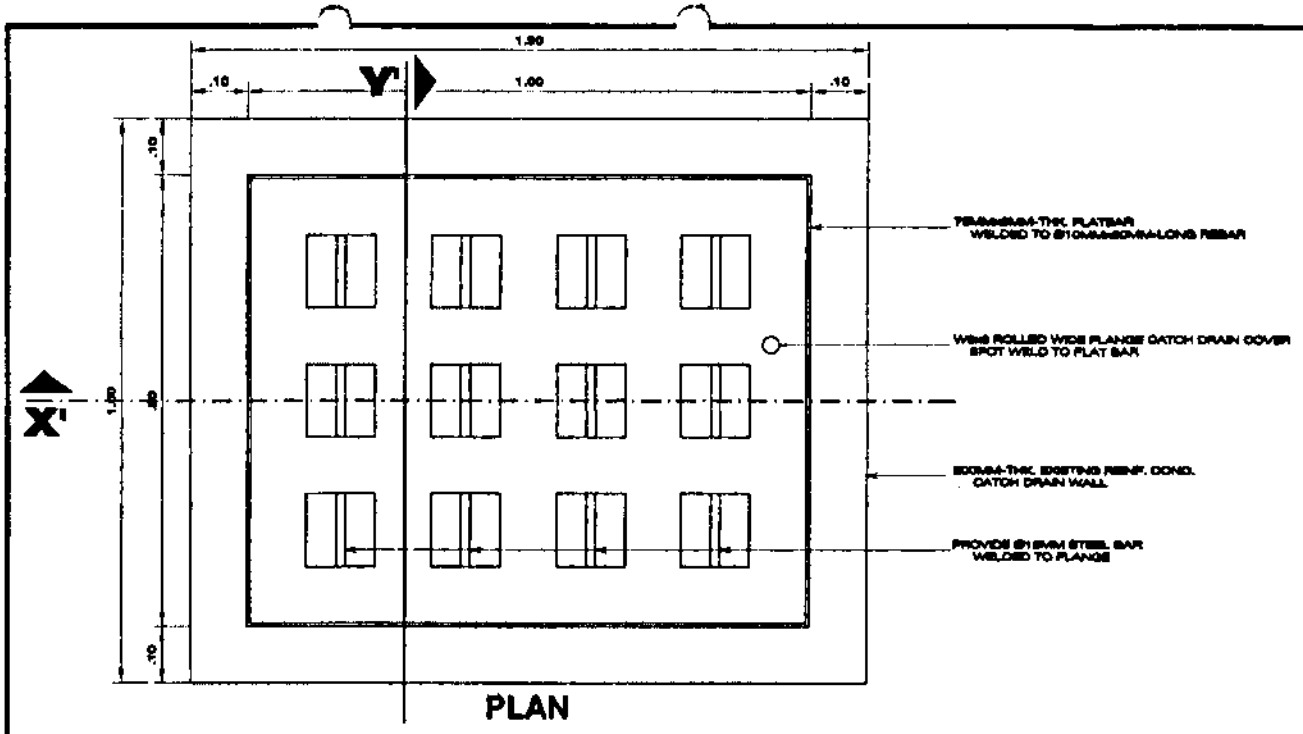
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

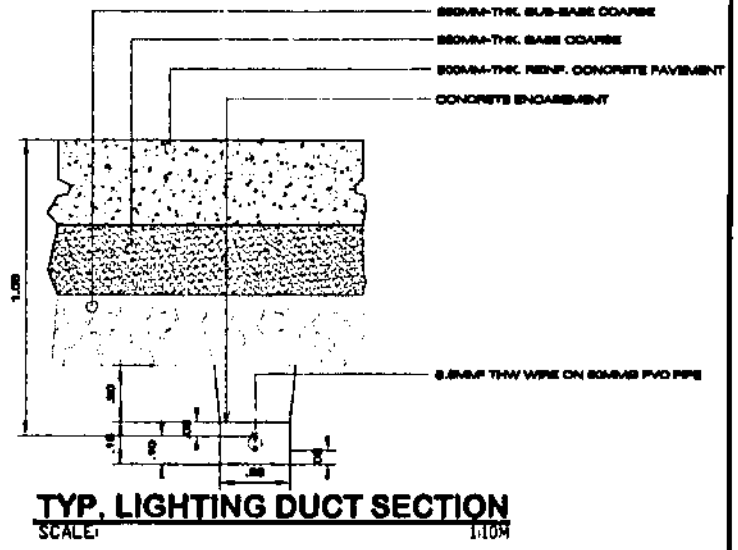
PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREE Y. SUMCAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCUATO, JR., OIC - ESD Manager	ISIDRO V. BOTABLAC, JR., Port Manager	REYNANDO P. ARAPINA, Manager PPDD	JAMES J. GANTALAO, AOM for Engineering

SHEET CONTENTS:
- CONCRETE-COVER DRAINAGE DETAILS
  - -COVER PLAN
  - -SECTION
- GRATING-COVER DRAINAGE DETAILS
  - -SECTION AT CANAL
  - -SECTION AT MANHOLE

SHEET No.: 6 OF 20
DATE: FEBRUARY 16, 2022
CAD BY: JUNSANZ

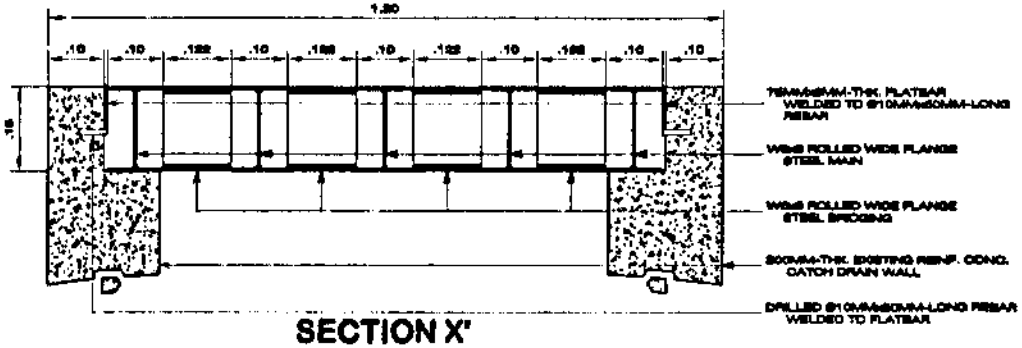


PLAN

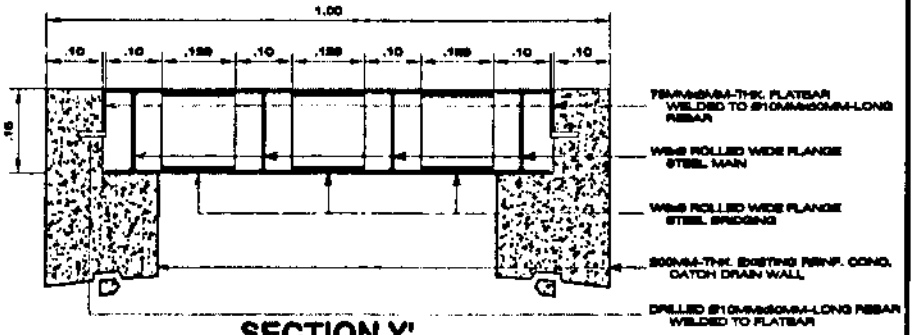


TYP. LIGHTING DUCT SECTION

SCALE: 1:10M



SECTION X'



SECTION Y'

STEEL COVER DETAIL FOR A 1.20Mx1.00M CATCH DRAIN

SCALE: 1:50M

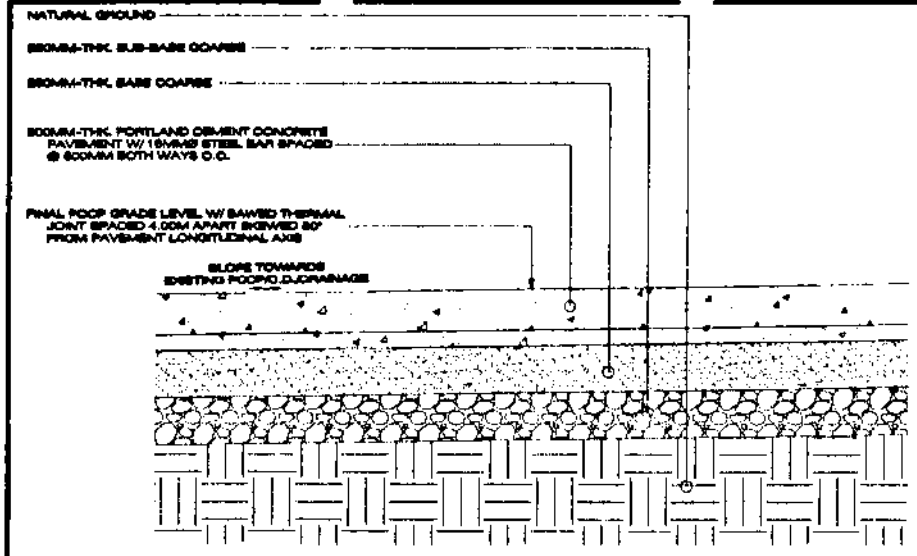
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL T. SUNICAD Construction Foreman	MARC M. AVELLANA Supervising Engineer	ANTONIO M. TORCHIO, JR. OIC - EDP Manager	ISIDRO V. BUTASLAC, JR. Port Manager	REYNAND S. PRAPINA Manager, PPDD	JAMES J. QUINTALAD AGM-EE Engineering

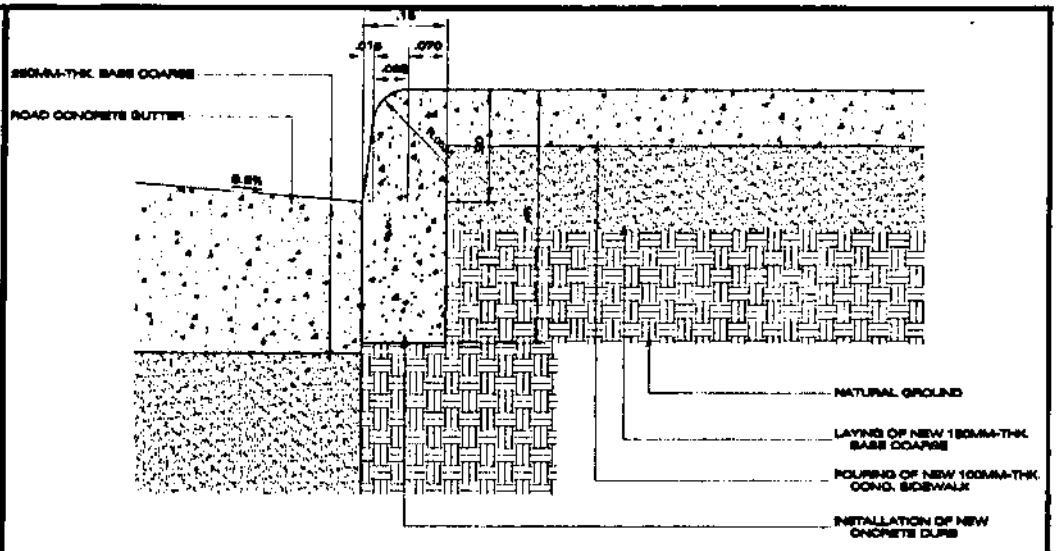
SHEET CONTENTS:
- STEEL COVER DETAIL FOR A 1.20Mx1.00M CATCH DRAIN
  - -PLAN
  - -SECTION X'
  - -&SECTION Y'
- TYPICAL LIGHTING DUCT SECTION

SHEET No.: 10 OF 30
DATE: FEBRUARY 16, 2022
CAD BY: JUNBANZ



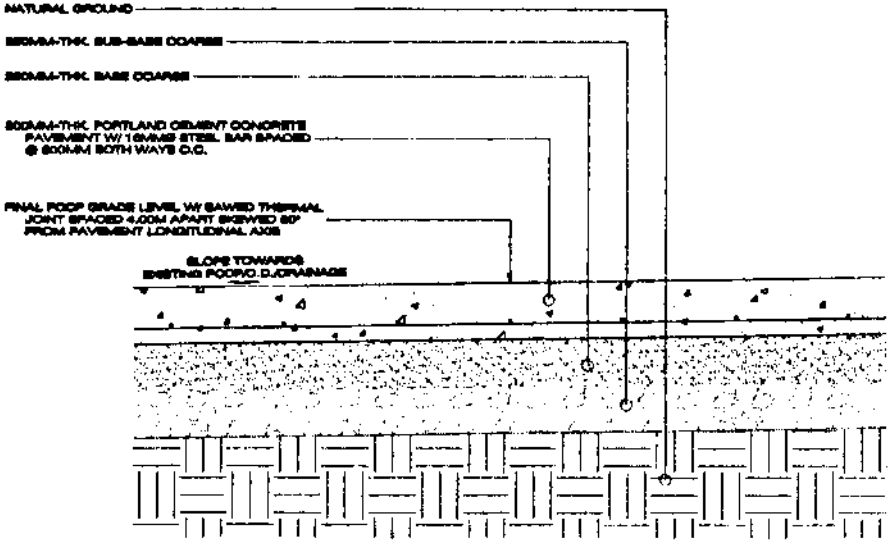
EXISTING ROAD CROSS SECTION

SCALE: 1:15M



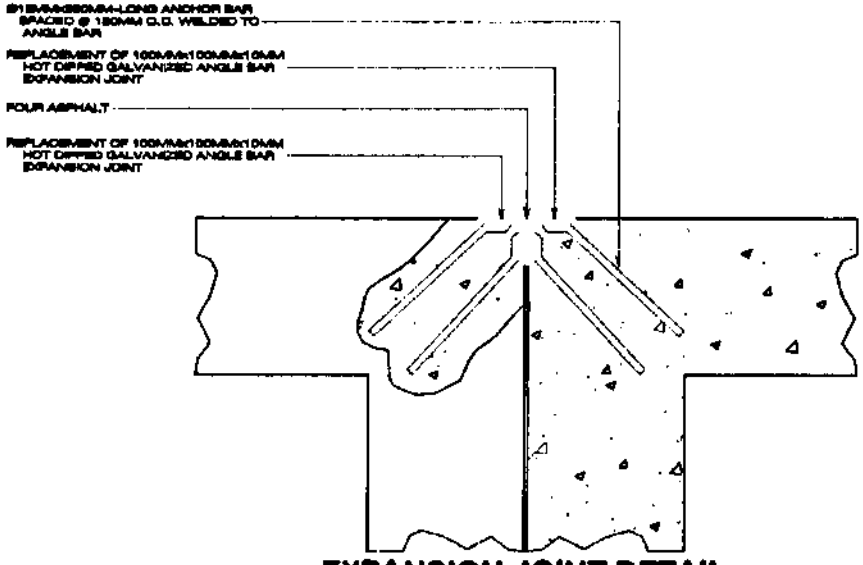
CURB & GUTTER DETAIL

SCALE: 1:5M



PROPOSED ROAD CROSS SECTION

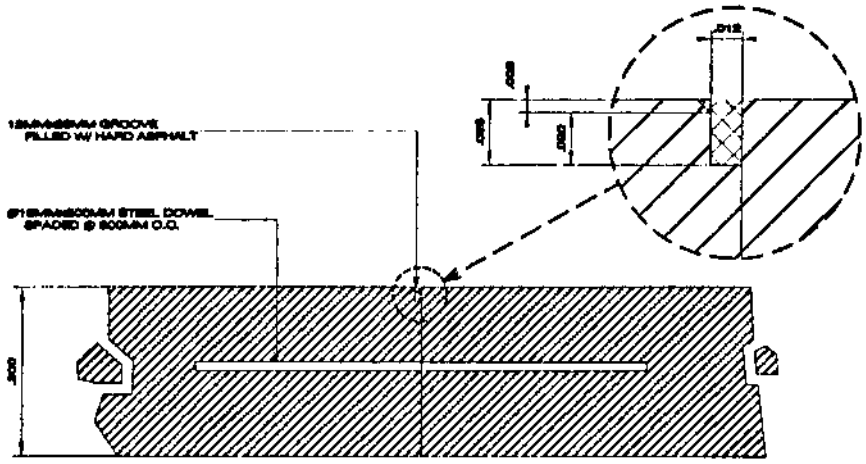
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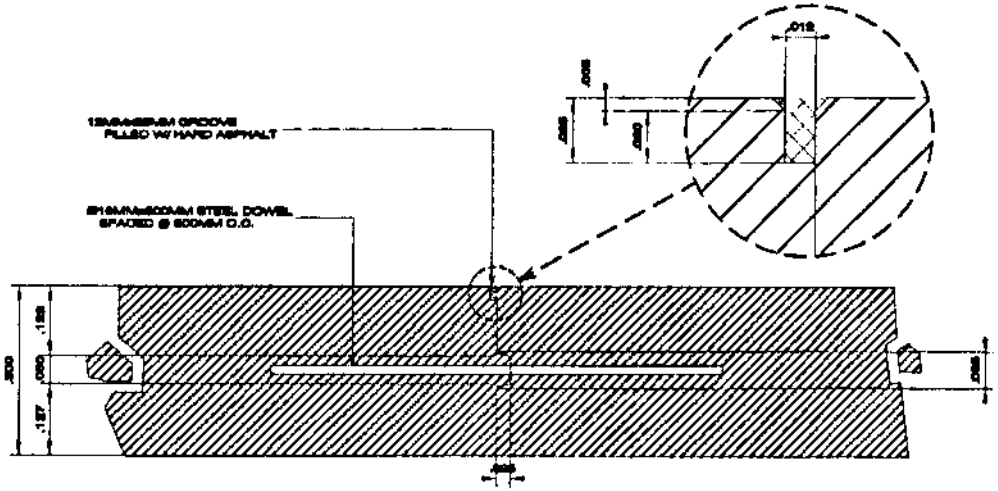
EXPANSION JOINT DETAIL

SCALE: 1:5M

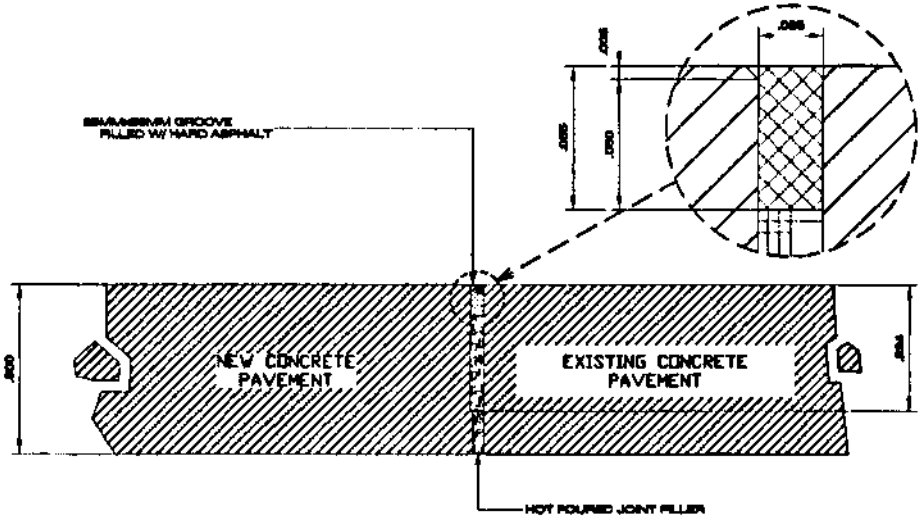
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE & LOCATION: RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13, PORT OF CAGAYAN DE ORO				SHEET CONTENTS: • EXISTING ROAD CROSS SECTION • PROPOSED ROAD CROSS SECTION • CURB & GUTTER DETAIL • EXPANSION JOINT DETAIL
	PREPARED BY: KAREEY BUMACAS, Construction Foreman	CHECKED BY: MARC M. AVELLANA, Supervising Engineer	REVIEWED BY: ANTONIO M. TORCHIO, JR., OIC - E&S Manager	SUBMITTED BY: ISIDRO V. SUERTE, JR., Port Manager	RECOMMENDED BY: REYNALD C. PARAFINA, Manager, PPDD	APPROVED BY: JAMES J. GANTALAO, AGM for Operations
					SHEET No.: 11 OF 20
					DATE: FEBRUARY 16, 2022
					CAD BY: JUNSAMZ



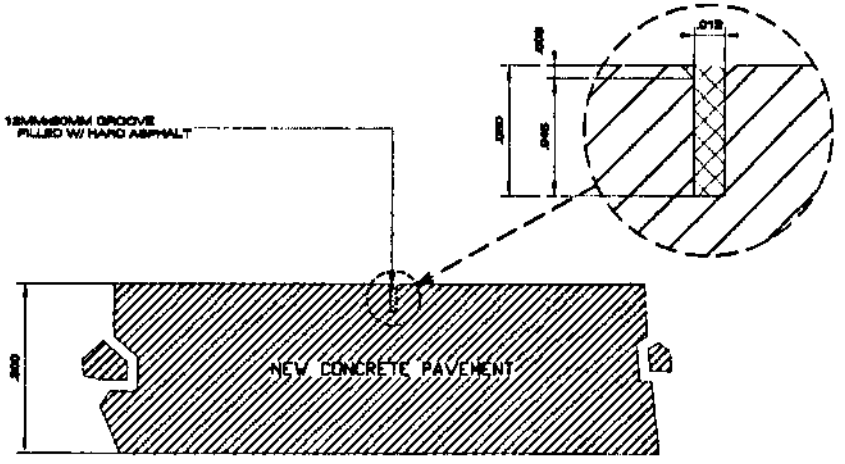
DETAIL OF LONGITUDINAL CONSTRUCTION JOINT



DETAIL OF TRANSVERSE CONSTRUCTION JOINT



DETAIL OF EXPANSION JOINT



DETAIL OF CONTRACTION JOINT

TYPICAL PCCP JOINT DETAILS

SCALE: 1:5H

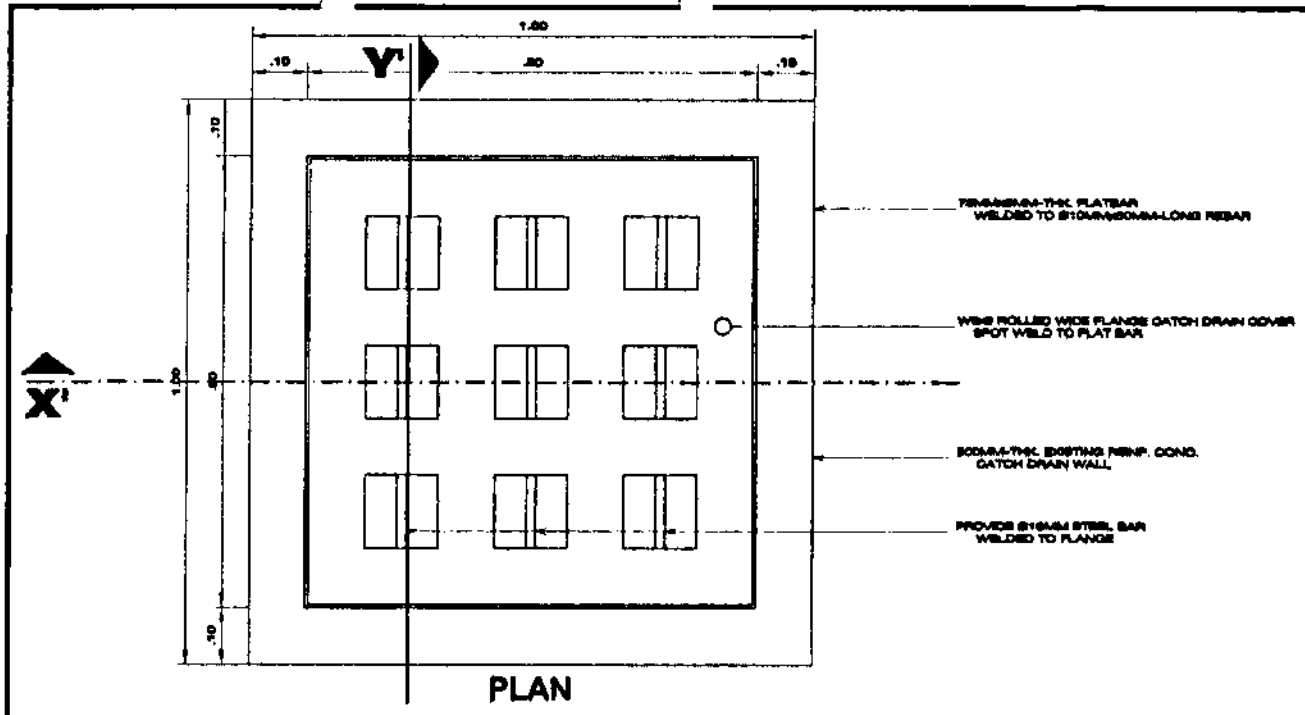
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

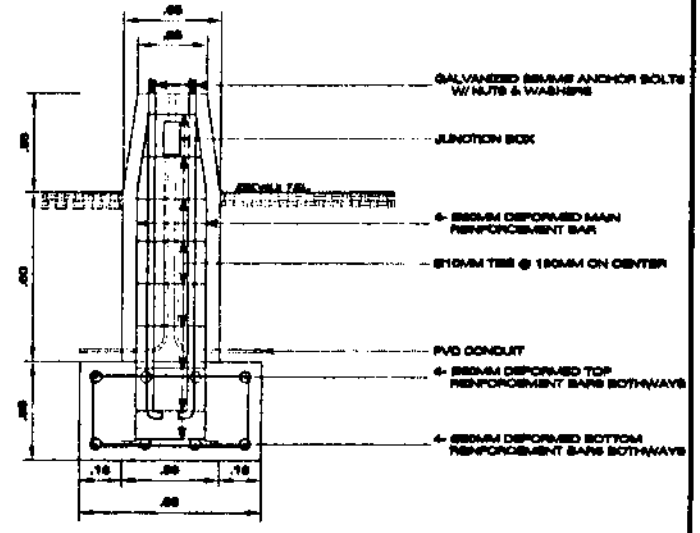
PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL T. SUARCAD Construction Foreman	MARC M. AVELLANA Supervising Engineer	ANTONIO M. TORCINO, JR. OIC - EDD Manager	ISIDRO V. BOTASLAC, JR. Port Manager	REYNALD P. PARAFINA Manager, PPOD	JAMES J. QUINTALAD AGM for Engineering

SHEET CONTENTS:
- TYPICAL PCCP JOINT DETAILS
  - -DETAIL OF LONGITUDINAL CONSTRUCTION JOINT
  - -DETAIL OF TRANSVERSE CONSTRUCTION JOINT
  - -DETAIL OF EXPANSION JOINT
  - -DETAIL OF CONTRACTION JOINT

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DATE: FEBRUARY 16, 2022
CAD BY: JUNSAM2

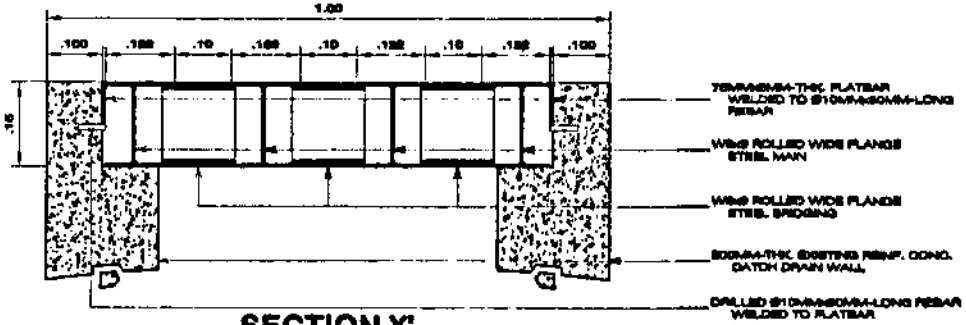


PLAN

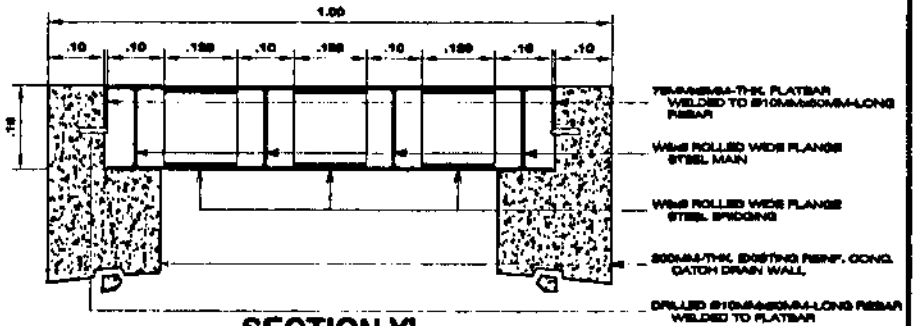


STREET LIGHT FOUNDATION DETAIL

SCALE: 1:10M



SECTION X'



SECTION Y'

STEEL COVER DETAIL FOR A 1.00Mx1.00M CATCH DRAIN

SCALE: 1:5M

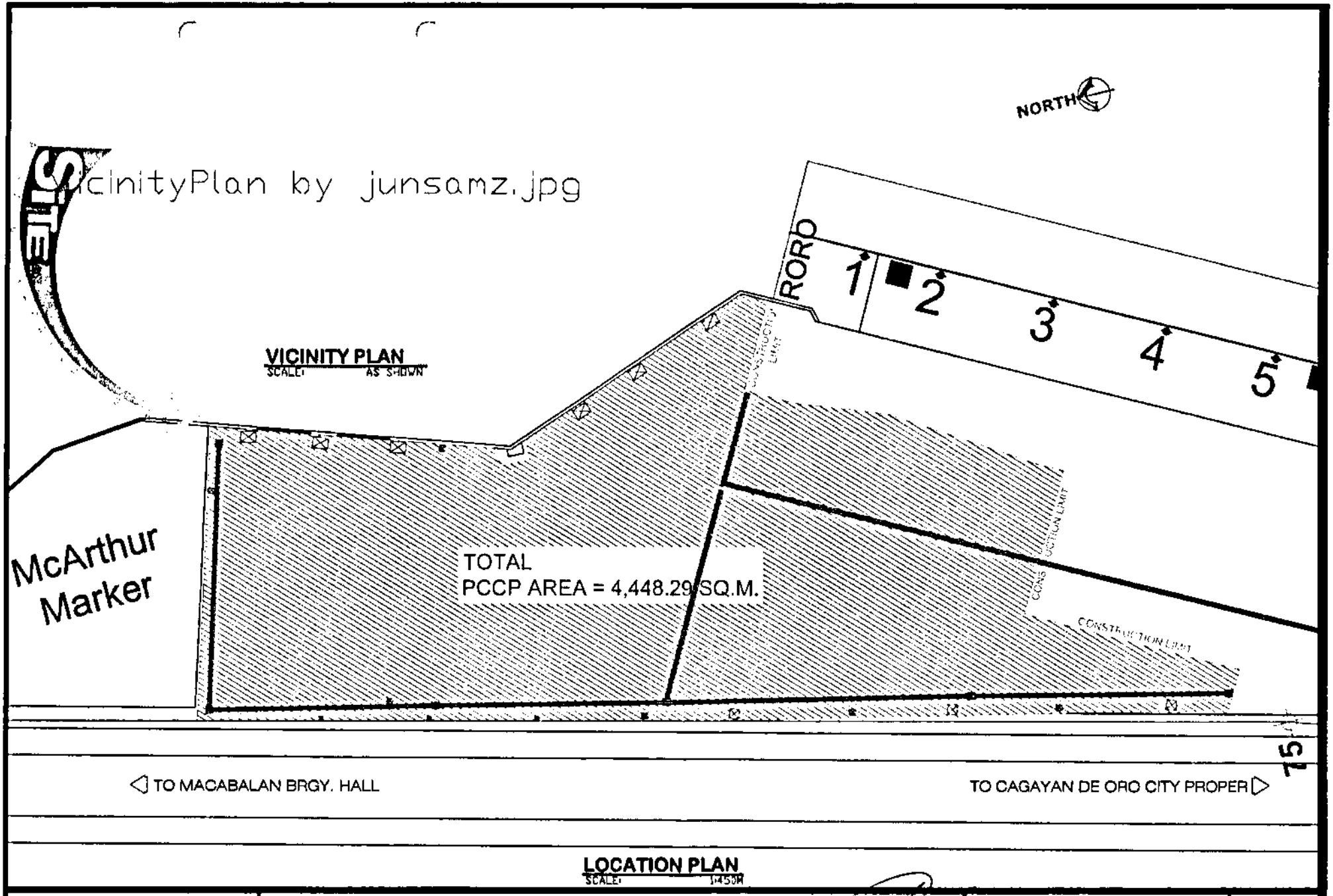
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KAREL T. SUMICAD Construction Foreman	MARC M. AVELLANA Supervising Engineer	ANTONIO M. TORCINO, JR. OIC - E&D Manager	ISIDRO V. MOTAÑLAC, JR. Port Manager	REYNANTE PARAFINA Manager, PPOD	JAMES J. GANTALAO ASSt. Engineering

SHEET CONTENTS
- STEEL COVER DETAIL FOR A 1.00Mx1.00M CATCH DRAIN
  - -PLAN
  - -SECTION X'
  - -SECTION Y'
- STREET LIGHT FOUNDATION DETAIL

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DATE: FEBRUARY 16, 2023
CAD BY: JUNBAMZ



LOCATION PLAN

SCALE: 1:450M

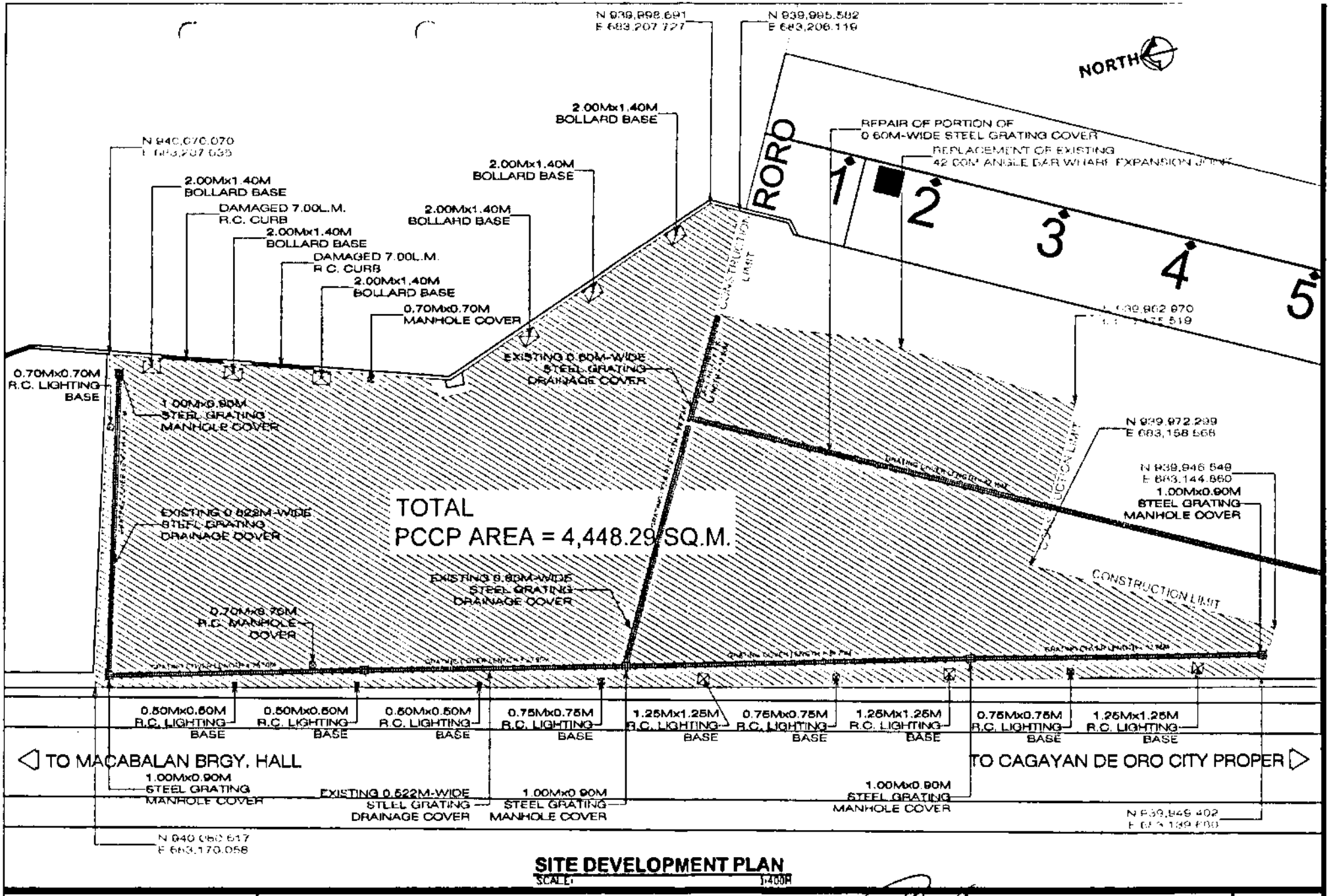
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 &13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	CERTIFIED BY:
KARL Y. BARICAD, Construction Foreman	MARIE M. AVELLANA, Supervising Engineer	ANTONIO M. TERCINO, JR., OIC - EBD Manager	RODRO V. SUTABLAC, JR., Port Manager	REYNANO PARAFINA, Manager, PPDD	JAMES J. GANTALAO, AGM-PE Engineering

SHEET CONTENTS
- VICINITY PLAN
- LOCATION PLAN

SHEET No.: 14 OF 28
DATE: AUGUST 16, 2022
CAD BY: JUNSAMZ



SITE DEVELOPMENT PLAN

SCALE: 1:400R

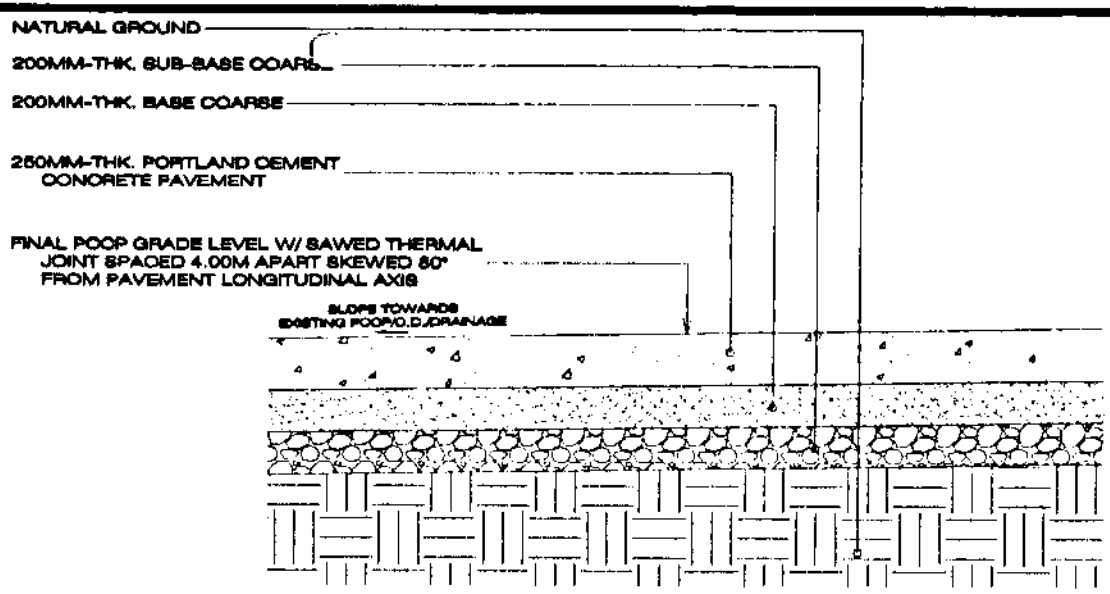
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 &13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KARL T. [illegible]	MARO M. AVELLANA	ANTONIO M. TORCINO, JR.	ISIDRO V. BUTABLAC, JR.	REYNANDO P. PAMPINA	JAMES B. J. QUINTALAO
Construction Foreman	Supervising Engineer	OIC - E&D Manager	Port Manager	Manager, PPDD	ACM-for Engineering

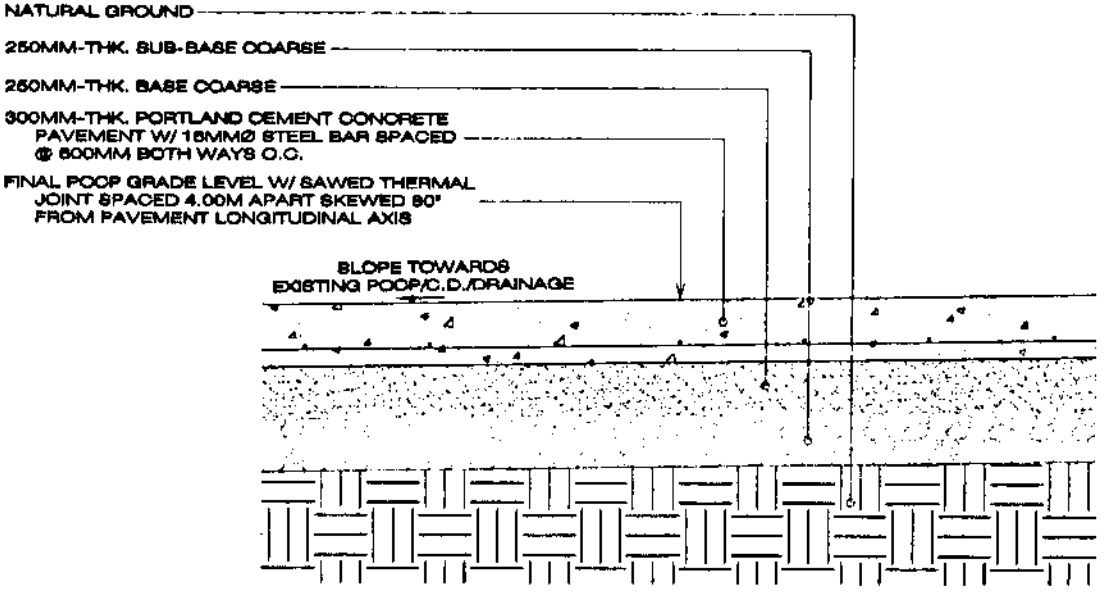
SHEET CONTENTS:
- SITE DEVELOPMENT PLAN

SHEET No.: 15 OF 20
DATE: AUGUST 14, 2023
CAD BY: JUNBAMZ



EXISTING PAVEMENT CROSS SECTION

SCALE: 1:25M



PROPOSED PAVEMENT CROSS SECTION

SCALE: 1:25M

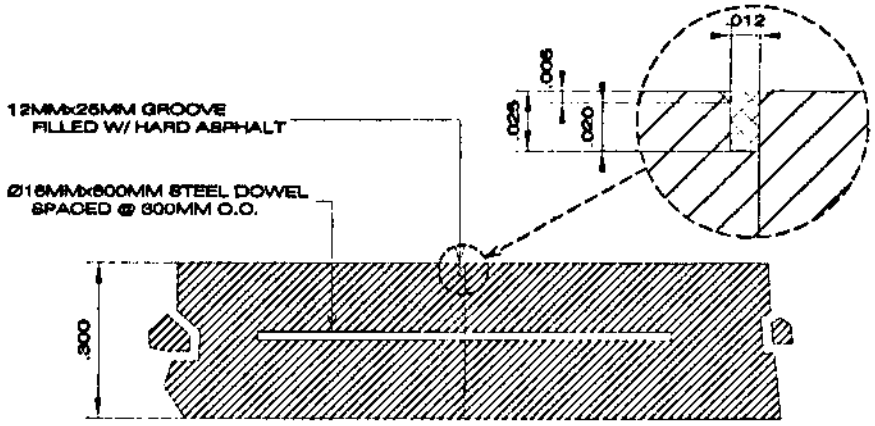
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PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 & 13
PORT OF CAGAYAN DE ORO

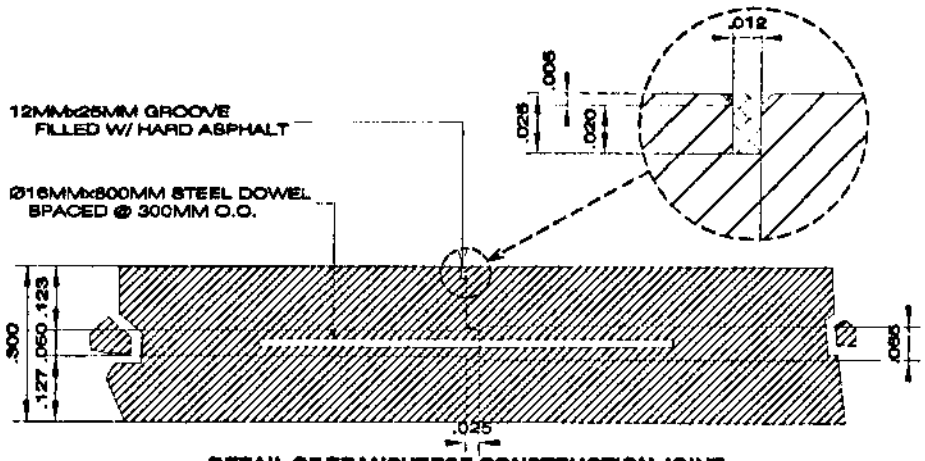
PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	REFERENCE:
KAREL T. SUMICAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCINO, JR., OIC - CEO Manager	ISIDRO V. MOTABLAC, JR., Port Manager	REYNALD PARAFINA, Manager, PPOD	CARLO J. CANTALAO, AGM for Engineering

SHEET CONTENTS:
- EXISTING PAVEMENT CROSS SECTION
- PROPOSED PAVEMENT CROSS SECTION

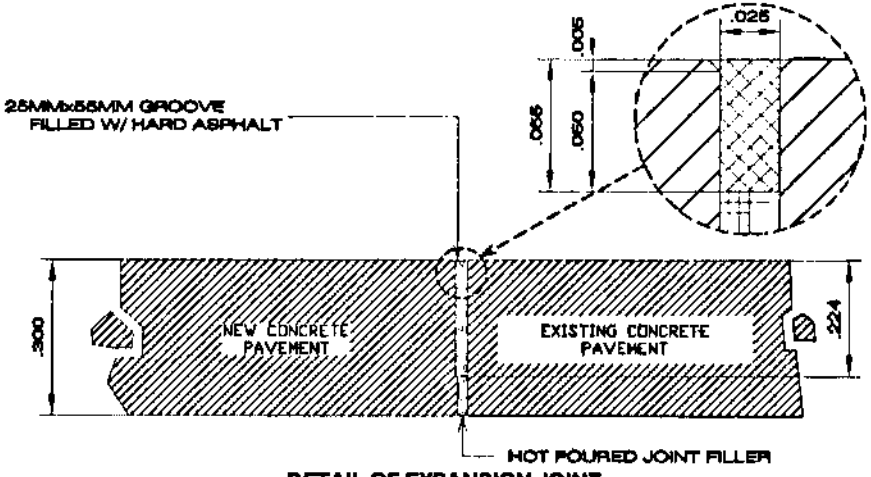
SHEET No.: 16 OF 28
DATE: AUGUST 14, 2023
CAD BY: JUNEAM2



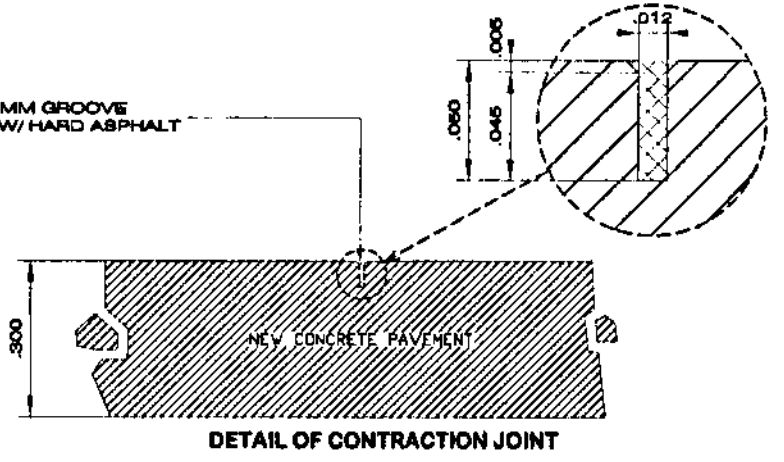
DETAIL OF LONGITUDINAL CONSTRUCTION JOINT



DETAIL OF TRANSVERSE CONSTRUCTION JOINT



DETAIL OF EXPANSION JOINT



DETAIL OF CONTRACTION JOINT

TYPICAL PORTLAND CEMENT CONCRETE PAVEMENT JOINT DETAILS

SCALE: 1:10M

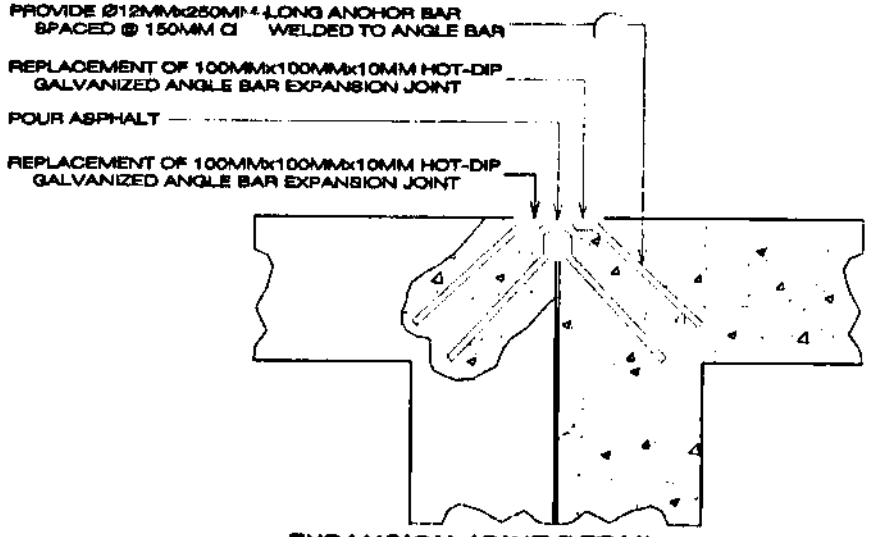
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 &13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	CERTIFIED BY:
KARL T. SUMICAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TOROMID, JR., OIC - ESD Manager	RHONO V. BUTASLAC, JR., Port Manager	REYNAND C. PARAFINA, Manager, PPOD	JAMES J. QUINTILAD, Assistant Engineering

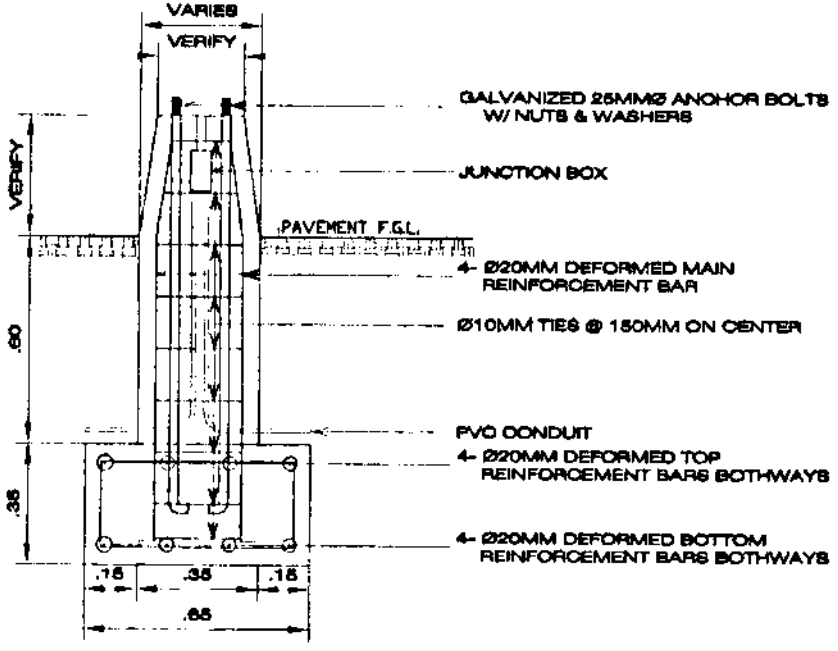
SHEET CONTENTS:
- TYPICAL PCCP JOINT DETAILS
  - DETAIL OF LONGITUDINAL CONSTRUCTION JOINT
  - DETAIL OF TRANSVERSE CONSTRUCTION JOINT
  - DETAIL OF EXPANSION JOINT
  - DETAIL OF CONTRACTION JOINT

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DATE: AUGUST 14, 2022
CAD BY: JUNBAMZ



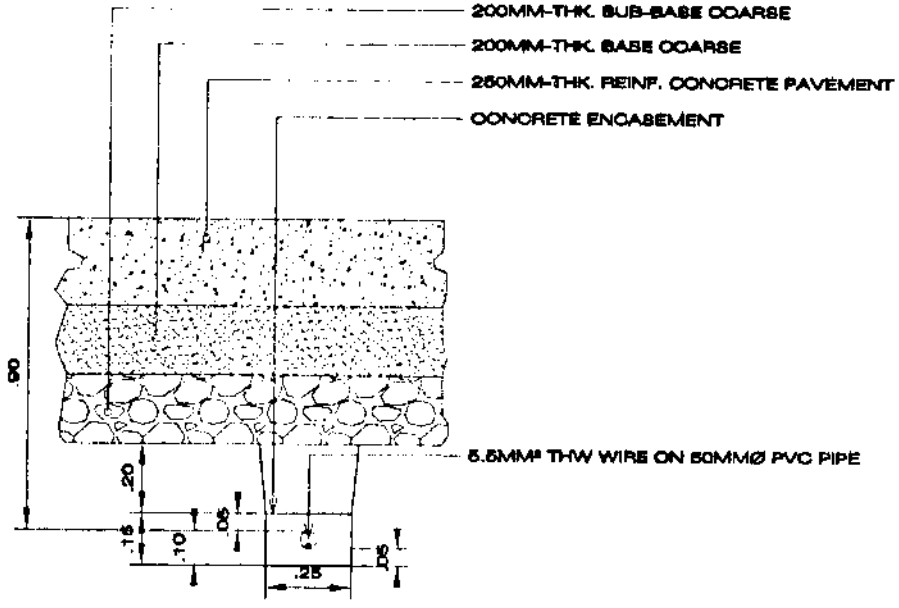
EXPANSION JOINT DETAIL

SCALE: 1:10M



EXISTING STREET LIGHT FOUNDATION DETAIL

SCALE: 1:15M



EXISTING LIGHTING DUCT SECTION

SCALE: 1:15M

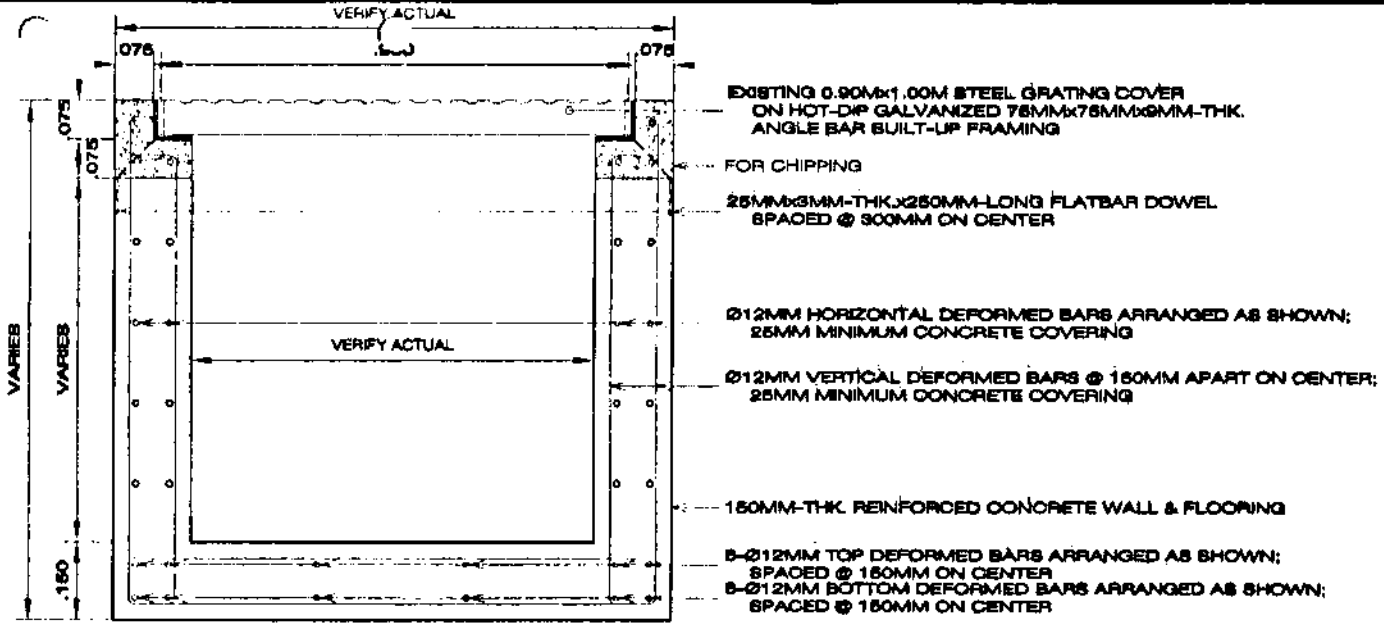
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
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PORT OF CAGAYAN DE ORO

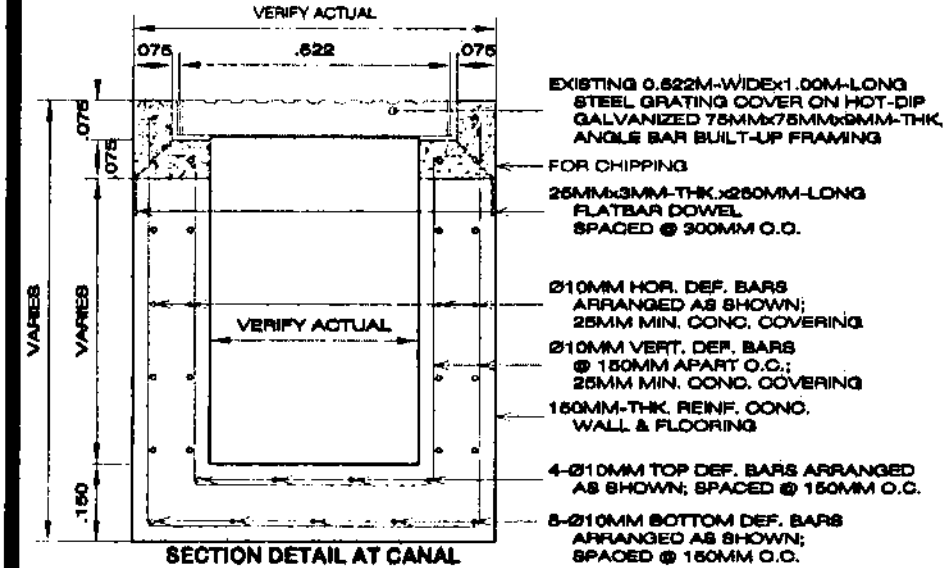
PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
KARL T. SOMICAD, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCINO JR., OIC - ESD Manager	RUDY V. INTAALAC, JR., Port Manager	REYNALDO C. PARAFINA, Manager - PROD	MA. S. J. QUINTALAO, AOM Supervising Engineer

SHEET CONTENTS:
- EXPANSION JOINT DETAIL
- EXISTING STREET LIGHT FOUNDATION DETAIL
- EXISTING LIGHTING DUCT SECTION

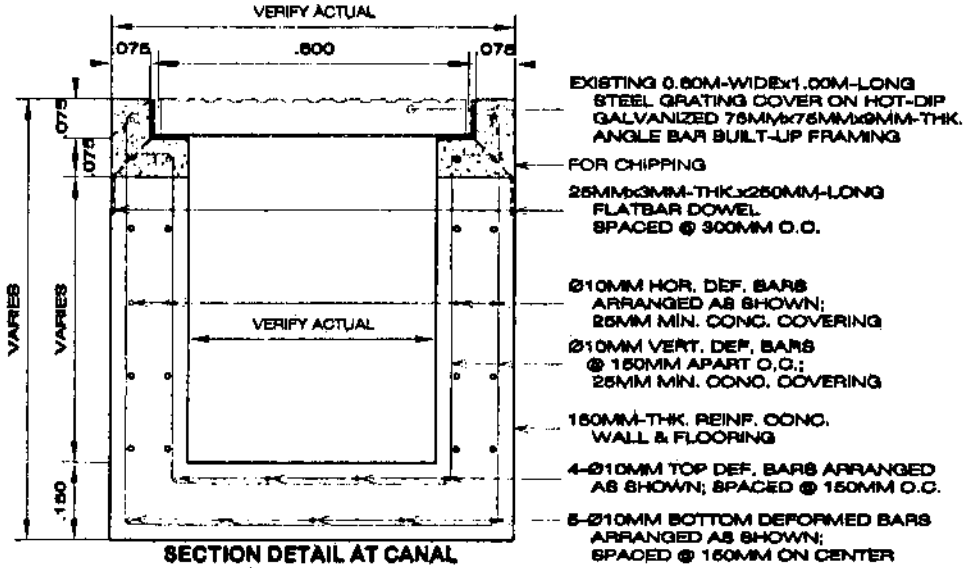
SHEET No.: 18 OF 20
DATE: AUGUST 14, 2022
CAD BY: JUNEAMZ



SECTION DETAIL AT MANHOLE



SECTION DETAIL AT CANAL
(FOR 0.522M-WIDE GRATING COVER)



SECTION DETAIL AT CANAL
(FOR 0.60M-WIDE GRATING COVER)

EXISTING DRAINAGE SECTION DETAIL

SCALE: 1:10M

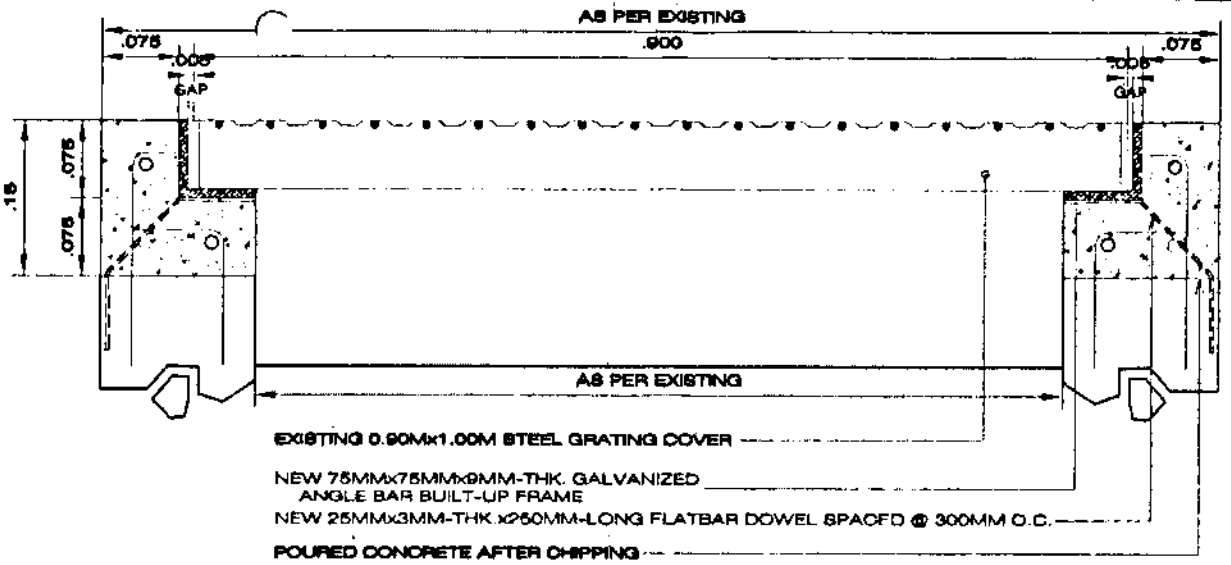
PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
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PORT OF CAGAYAN DE ORO

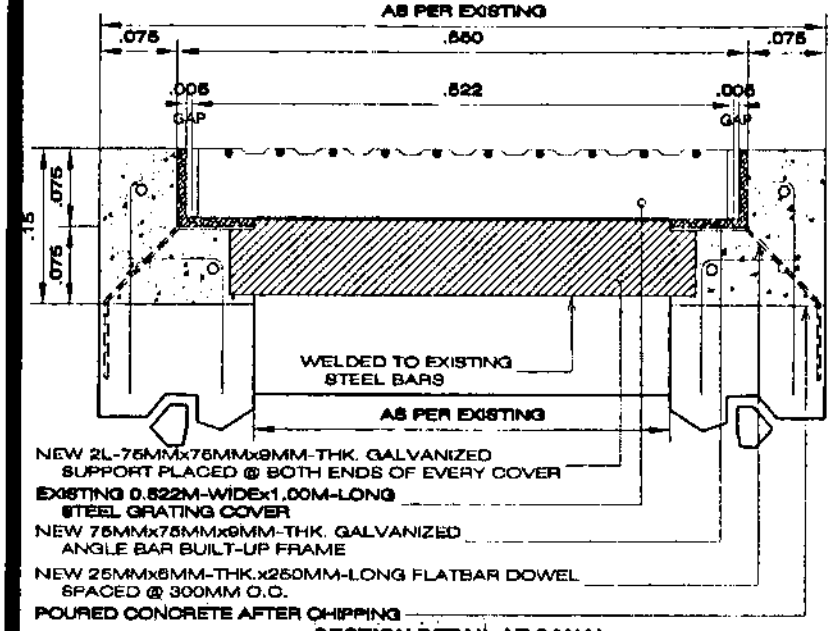
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KAREL T. SUMCAD, Construction Foreman	MARC M. AVELLANA, Engineering Engineer	ANTONIO M. TORCINO, JR., OIC - EBC Manager	ISIDRO V. BUTALAC, JR., Port Manager	REYNALD T. ARAPINA, Manager, PPDD	JAMES J. CANTALAO, ADMIN Engineering

SHEET CONTENTS:
- EXISTING DRAINAGE SECTION DETAIL
  - SECTION DETAIL AT MANHOLE
  - SECTION DETAIL AT CANAL (FOR 0.522M-WIDE GRATING COVER)
  - SECTION DETAIL AT CANAL (FOR 0.60M-WIDE GRATING COVER)

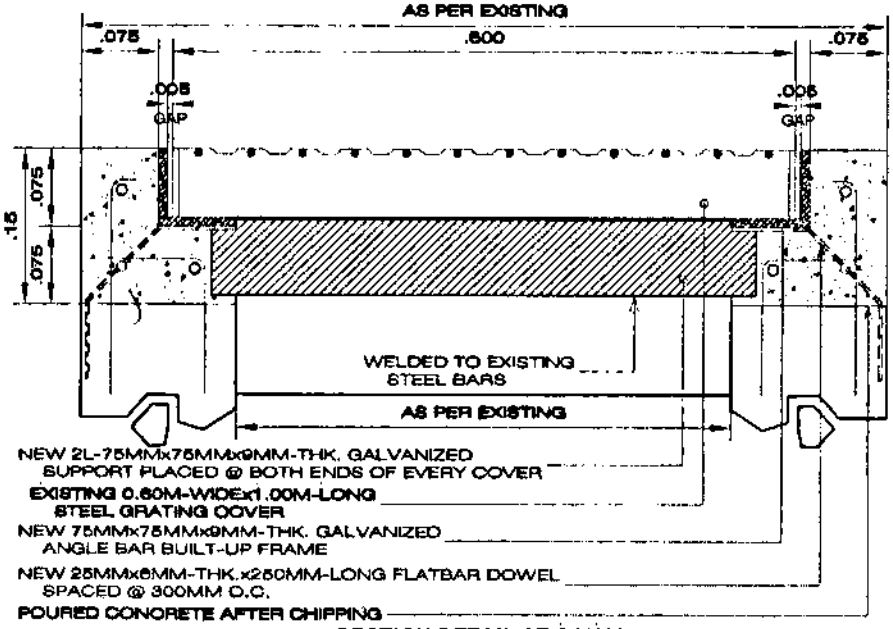
SHEET No.: 10 OF 20
DATE: AUGUST 14, 2021
CAD BY: JUNSAMZ



SECTION DETAIL AT MANHOLE



SECTION DETAIL AT CANAL
(FOR 0.522M-WIDE GRATING COVER)



SECTION DETAIL AT CANAL
(FOR 0.60M-WIDE GRATING COVER)

PROPOSED DRAINAGE SECTION DETAIL

SCALE: 1:5M

PHILIPPINE PORTS AUTHORITY

PROJECT TITLE & LOCATION:
RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2,4,5,7 &13
PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED BY:	REVIEWED BY:	SUBMITTED BY:	RECOMMENDED BY:	PREPARED:
KARL T. GUMIRONG, Construction Foreman	MARC M. AVELLANA, Supervising Engineer	ANTONIO M. TORCH I, JR., DIC - ESD Manager	ISIDRO V. BUMOLAC, JR., Port Manager	REYNAND C. BABAFINA, Manager, PPDD	JAMES J. DANTANO, AQU for Engineering

SHEET CONTENTS:
- PROPOSED DRAINAGE SECTION DETAIL
  - SECTION DETAIL AT MANHOLE
  - SECTION DETAIL AT CANAL (FOR 0.522M-WIDE GRATING COVER)
  - SECTION DETAIL AT CANAL (FOR 0.60M-WIDE GRATING COVER)

SHEET No.: 20 OF 20
DATE: AUGUST 14, 2022
CAD BY: JUNIANZ

SECTION VIII

BILL OF QUANTITIES and ATTACHMENTS

BID SUMMARY

RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2, 4, 5, 7 AND 13, PORT OF CAGAYAN DE ORO

PHILIPPINE PORTS AUTHORITY

CAGAYAN DE ORO CITY, MISAMIS ORIENTAL

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BILL NO.	1 GENERAL EXPENSES	
BILL NO.	2 RESTORATION OF DAMAGED PAVEMENT	
	BID PRICE	₱ -

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

BILL OF QUANTITIES

RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2, 4, 5, 7, AND 13, PORT OF CAGAYAN DE ORO

CAGAYAN DE ORO CITY, MISAMIS ORIENTAL

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	**1 GENERAL EXPENSES**				
1.01	Mobilization/demobilization.	lot.	1.00	-	-
1.02	Provide Safety and Health of the Project.	lot	1.00	-	-
1.03	Project Billboard.	units	2.00	-	-
TOTAL FOR BILL NO. 1					-

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

BILL OF QUANTITIES

RESTORATION OF DAMAGED PAVEMENT AT PORTION OF BLOCK 2, 4, 5, 7 AND 13, PORT OF CAGAYAN DE ORO

CAGAYAN DE ORO CITY, MISAMIS ORIENTAL

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	2 RESTORATION OF DAMAGED PAVEMENT				
2.01	Demolition and Disposal of Damaged Pavement	sq.m	8,878.89	-	-
2.02	Excavation, Disposal/Hauling of Unsuitable Materials	cu.m	4,582.24	-	-
2.03	Supply, Fabricate and install reinforcement bars	kgs.	60,283.32	-	-
2.04	Subgrade Preparation and Compaction	sq.m.	8,785.78	-	-
2.05	Supply, Spread and Compact Aggregate Subbase Course	cu.m	2,525.92	-	-
2.06	Supply, Spread and Compact Base Coarse	cu.m.	2,525.92	-	-
2.07	Construct Portland Cement Concrete Pavement (Including PCCP) including Dowels Bars	sq.m.	8,878.89	-	-
2.08	Repair of Angle Bar Expansion Joint Along Berth 13 and 14	l.m.	543.00	-	-
2.09	Concrete Works for Drainage Cover at Area G	cu.m.	7.30	-	-
2.10	Supply, Fabricate and Install reinforcement bar for Drainage Cover at Area G	kgs.	1,933.92	-	-
2.11	Repair/Replace of Drainage Manhole Cover	lot	1.00	-	-
2.12	Repair of Concrete Curb and Gutter	l.m	182.20	-	-
2.13	Repair of Angle bar along drainage line at Portion of Block 2	l.m	102.60	-	-
2.14	Supply of labor, materials and equipment for the repair of reinforced concrete curb	l.m	14.00	-	-
	TOTAL FOR BILL NO. 2				-

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

equipment, tools, and incidentals necessary to complete the work to include disposal/hauling.

Item 2.03 Supply, Fabricate and Install Renforcement Bars

The quantity to be paid for shall be the actual weight in kilograms (kgs) of steel reinforcement supplied, fabricated and installed steel reinforcements in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.04 Subgrade Preparation and Compaction

The quantity to be paid for shall be the actual area in square meters off the subgrade preparation to include compaction as directed by the engineer in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for levelling and preparation of subgrade, labor, equipment, tools, and incidentals necessary to complete the work to include compaction.

Item 2.05 Supply, Spread and Compact Aggregate Subbase Coarse

The quantity to be paid for shall be the actual volume in cubic meters (cu.m) of supplied, spread and compacted in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic surveys before and after spreading and compacting of aggregate subbase course shall be made to determine the actual elevations along cross sections and the actual quantities for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

Item 2.06 Supply, Spread and Compact Base Coarse

The quantity to be paid for shall be the actual volume in cubic meters (cu.m) of supplied, spread and compacted base coarse in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic surveys before and after spreading and compacting of aggregate base course shall be made to determine the actual elevations along cross sections and the actual quantities for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

Item 2.07 Construct Portland Cement Concrete Pavement (Including PCCP) including dowel bars

The quantity to be paid for shall be the actual area in square meters (sq.m.) of supplied and placed 4,500psi concrete for pavement in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

Item 2.08 Repair of Angle Bar Expansion Joint Along Berth 13 & 14

The quantity to be paid for shall be the length in linear meters (l.m.) in the repair of Angle bar expansion joint along Berth 13 & 14 in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full

compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.09 Concrete Works for Drainage Cover at Area G

The quantity to be paid for shall be the actual volume in cubic meters (cu.m) of supplied and placed 4,500psi concrete for drainage cover in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

Item 2.10 Supply, Fabricate and install reinforcement bar for Drainage Cover at Area G

The quantity to be paid for shall be the actual weight in kilograms (kgs) of steel reinforcement supplied, fabricated and installed steel reinforcements for item 2.09 in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.11 Repair/Replace of Drainage Manhole Cover

The quantity to be paid for shall be in lot (lot) of drainage manhole covers and support bars replaced in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include damaged support gratings

Item 2.12 Repair of Concrete Curb and Gutter

The quantity to be paid for shall be the actual length in linear meters (l.m.) of supplied and placed concrete for curb and gutter in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

Item 2.13 Repair of Angle Bar along drainage line at Portion of Block 2

The quantity to be paid for shall be the length in linear meters (l.m.) in the repair of Angle bar along drainage line in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work

Item 2.14 Supply of labor, materials and equipment for the repair of reinforced concrete curb

The quantity to be paid for shall be the actual length in linear meters (l.m.) of supplied and placed concrete for reinforced concrete curb at Block 2 in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work to include formworks.

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1	unit/s	Backhoe (0.40 cu.m.), owned/leased
1	unit/s	Backhoe breaker attachment, owned/leased
4	unit/s	Dump truck (10cu.m. capacity), owned/leased
1	unit/s	Welding machine (400Amp), owned
2	unit/s	Oxy/Acetylene cutting outfit, owned
1	unit/s	Payloader (1.05cu.m. 80HP, Minimum), owned/leased
1	unit/s	Bar Bender (25mm dia. max), owned
1	unit/s	Bar Cutter (25mm dia. max), owned
1	unit/s	Cargo Truck (5T, minimum), owned/leased
1	unit/s	Road Grader (125Hp, minimum), owned/leased
1	unit/s	Road roller (10Tons, vibratory, minimum), owned/leased
1	unit/s	Plate compactor, (5Hp, minimum), owned
1	unit/s	Water truck, (1,000 Gals. Capacity), owned/leased
4	unit/s	Transit Mixer (5cu.m., minimum), owned/leased
1	unit/s	Concrete Screeder, owned
1	unit/s	Concrete Saw, owned
2	unit/s	Concrete Vibrator, (3.5Hp, minimum), owned
1	unit/s	Concrete Mixer, (1-Bagger, minimum), owned
1	unit/s	Boom Truck (2T, minimum), owned/leased

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

L A B O R

1	no.	Safety Practitioner

EQUIPMENT / MATERIALS

Personnel Protective Equipment (1 lot)

- Hard Hats
- Gloves (rubberized)
- Safety Glasses/Goggles (clear)
- Long sleeve T-shirt
- Aprons
- Safety Shoes

Safety Devices

1	lot	Barricades/ Signages
8	mo.	Barricade Flasher Lights

NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

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REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
I. Construction of Pier/Wharf, Platform and Ramp		
Structural Concrete (SC)		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
Piling (P)		
A Concrete Piles	Fabrication Report	One per fabrication
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strand	Test for Chemical Composition and Mechanical Properties	For every 20000kg or fraction thereof

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
4 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
5 Fine Aggregates	Same Test as for SC (B)	Same frequency as SC (B)
B Steel Pipe Piles	Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties	One per fabrication
1 Steel	Chemical Composition (refer below)	
	- Under 14" (355 60mm) Outside Diameter	2 from 200 pipe of fraction thereof
	- 14" to 36" (355 6 to 914mm) Outside Dia	2 from 100 pipe or fraction thereof
	- Over 36" (914mm) Outside Diameter	2 from 3000ft (914m) or fraction thereof
	Mechanical/Tensile	One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size
2 Polyurethane Coating	Mill Certificate and Quality Test	One per fabrication
3 Concrete	Same test as for SC (F)	Same frequency as SC (F)
4 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
6 Steel Bars	Same Test as SC (E)	Same frequency as SC (E)
7 Water	Same Test as SC (D)	Same frequency as SC (D)
Rubber Dock Fenders (RDF)	Physical Test	All units
	Performance Test for Energy Absorption and Reaction Force	All units
Accessories		
Washer and Fixing Bolt, Anchor Bolt	Physical Test	All units
	Quality Test for Chemical Composition and Mechanical Properties	One per fabrication

Materials/Items of Work	***Required Tests***	***Minimum Incremental Frequency of Tests***
Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt)	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All Units One per fabrication
II. Construction of Back-Up Area, Causeway and Pavement Sheet Piling (SP) A Concrete Sheet Piles		
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strands	Same test as for P (A 3)	Same frequency as P (A 3)
4 Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
5 Coase Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
B Steel Pipe Piles		
1 Steel	Same test as for P (B1)	Same frequency as P (B1)
2 Concrete	Same test as for SC (F)	Same frequency as SC (F)
3 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
4 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)

Materials/Items of Work	***Required Tests***	***Minimum Incremental Frequency of Tests***
Rocks	Test for Apparent Specific Gravity and Abrasion	For every 1,500 cubic meter or fraction thereof
Geotextile Filter	Physical and Mechanical Test Mill Certificate	One per batch One per batch
Sand and Gravel Fill	Quality Test for Organic Impurities and Grading	For every 1,500 cubic meter or fraction thereof
Selected Fill	Quality Test for Grading, Plasticity and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 1,500 cubic meter or fraction thereof For every 2,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three In-situ density test for every 500 sq m or fraction thereof
Aggregate Base Course	Quality Test for Grading and Plasticity Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 300 cubic meter or fraction thereof For every 1,500 cubic meter or fraction thereof Same frequency as Selected Fill Same frequency as Selected Fill
Portland Cement Concrete Pavement (PCCP)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars (Dowels)	Same test as for SC (E)	Same frequency as SC (E)
F Joint Filler	Quality Test	One (1) per shipment

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F)	Same frequency as SC (F)
	Flexural Test	3 beam samples for every 330 sq m or fraction thereof
I Completed Pavement	Core Test	1 set (3 specimen) for every 2,500 sq m and fraction thereof
Interlocking Concrete Blocks		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Admixture & Concrete Curing Materials	Same test as for SC (G)	Same frequency as SC (G)
F Completed Blocks	Physical Test and Compressive Strength	6 blocks per day of fabrication
Cement Treated Base Course (CTB)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine & Coarse Aggregates	Quality Test for Grading, Abrasion and Soundness	For every 1,500 cubic meter or fraction thereof
C Water	Same test as for SC (D)	Same frequency as SC (D)
D Completed CTB	Field Density Test	For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks\Lean Concrete		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

Materials/Items of Work	***Required Tests***	***Minimum Incremental Frequency of Tests***
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
F Admixture and Concrete Curing	Same test as for SC (G)	Same frequency as SC (G)
G Concrete	Same test as for SC (F)	Same frequency as SC (F)
Tie Rod		
A Steel	Same test as for SC (E)	One per batch
B Assembly	Performance Test (Tension)	One per batch
Tie Bars and Dowels	Same test as for SC (E)	For every 10,000 kg or fraction thereof per Tie bars and Dowels
Pipe Culverts and Storm Drains		
A Pipes	Test for Strength, Absorption and Physical	For every 50 pieces
B Mortar or Joint	Same Test as for SC (A,B and D) Alternative Test Same test as for SC (F) and Inspection Report	For every 25 pieces
Concrete Hollow Blocks		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Water	Same test as for SC (D)	Same frequency as SC (C)
D Concrete	Same test as for SC (F)	Same frequency as SC (F)
E Completed CHB	Quality Test	One for every 500 pieces or fraction thereof
Construction Joints (CJ)		
A Angle Bars	Test for Physical and Mechanical Properties	One per batch
B Steel Bars	Same test as for SC (E)	One per batch
C Zinc (Hot Dip Galvanizing) Coatings	Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion	All units
	Coating Thickness Magnetic Thickness Measurement	1 set (3 specimen) for every 100,000 sq mm or fraction thereof

Materials/Items of Work	***Required Tests***	***Minimum Incremental Frequency of Tests***
Sacked Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Sack (jute)	Physical Test	One for every 50 pieces
Rubble Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Rocks	Same test as for ROCKS	Same frequency as ROCKS
Earthworks		
A Sub-grade preparation	Grading Test Plasticity Test (LL,PL,PI) Laboratory Compaction Test	For every 1,500 cubic meter or fraction thereof
	Density Test	For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL,PL,PI) Laboratory Compaction Test	For every 1,500 cubic meter or fraction thereof
	Density Test	For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse		
STRUCTURAL WORKS	Refer to Structural Concrete (SC) and Piling Works (P)	
ARCHITECTURAL WORKS		
Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer	Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test	One per shipment
Paint	Quality Test	One 4-L can for every 100 cans or fraction thereof
Ceramic Tile	Inspection and Evaluation Report from the Engineer	One per shipment
Stainless Steel	Inspection and Evaluation Report from the Engineer	One per shipment
Roofing Materials	Inspection and Evaluation Report from the Engineer	One per shipment
Ceiling Materials	Inspection and Evaluation Report from the Engineer	One per shipment
ELECTRICAL AND MECHANICAL WORKS		
Wires / Cables	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Background Music and Paging System	Inspection and Evaluation Report from the Engineer, Testing and Commissioning	One per item
Air Conditioning Units & Ventilation	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
PLUMBING WORKS		
Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Pipe Culverts	Compression Strength Inspection and Evaluation Report from the Engineer	For every size not more than 25 pipes cast in the field
IV Miscellaneous Materials Fencing A Barbed Wire, Cyclone Wire Mesh, Chain Link B Concrete Post	Physical Test (Dimensions and Coatings) Refer to Superstructure (SC)	One per Batch Refer to Superstructure (SC)
Lamp Post A Structural Steel B Zinc (Hot Dip Galvanizing) Coatings	Physical Test (Dimensions) Same test as for SC (E) Same test as for CJ (C)	All units One per batch
Drainage Steel Grating	Same test as for SC (E) Inspection Report	One (1) batch
Metal Pipe (Cast Iron Galvanized, etc)	Physical Test (Dimensions and Coatings)	1 per delivery
Welding Works	Destructive and Non Destructive Test	One (1) per lot

NOTES
1. **Testing of RDF shall be performed only by an independent Testing Laboratory duly accredited by BRS, DOST and PPA**
2. **Testing of other materials shall be performed only by an independent Testing Laboratory duly accredited by BRS and PPA.**
3. **All other issuances which are otherwise inconsistent herewith are hereby revoked or otherwise amended.**

Approved

RAUL T. SANTOS
Officer-In-Charge,
Office of the General Manager

SECTION IX

CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**

☐ (d) Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**

☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

(f) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (g) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**

☐ (m) Cash Flow by Quarter.

SECTION X

BIDDING FORM

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers _____, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Restoration of Damaged Pavement at Portion of Block 2, 4, 5, 7 and 13, Port of Cagayan de Oro**;

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: _____;

d. The discounts offered and the methodology for their application are: _____;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process,

[1] currently based on GPPB Resolution No. 09-2020

other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Restoration of Damaged Pavement at Portion of Block 2, 4, 5, 7 and 13, Port of Cagayan de Oro** of the **Philippine Ports Authority**.

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

Name of outstanding Contracts 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Amount or Value 4]	Date of Contract and NOA 5]	Value of Outstanding Works 6]	Accomplishment (in percentage, %) 7]		Contract Duration 8]	
							Planned	Actual	Start of Project	Estimated Completion Date
A) Government Contracts										
i. On-going										
ii. Awarded but not yet started										
B) Private Contracts										
i. On-going										
ii. Awarded but not yet started										

NOTE:

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
5] As appearing in the Contract and Notice of Award (NOA).
6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

a) Notice of Award
b) Notice to Proceed and Contract

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

Name of the completed Contract 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Value At 4]			Date of Award 5]	Contract Duration 6]	
				Award	Completion	Escalated Value to Present Prices		Start	Completed

NOTE :

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
5] As appearing in the Notice of Award.
6] As appearing in the Notice to proceed and Certificate of Completion.

A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
B. This Statement shall be supported by:
   a. Notice of Award, Notice to Proceed and Contract.
   b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
   c. Recapitulation or Final Bill of Quantities.

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS SIMILAR TO THE CONTRACT TO BE BID

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]			Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract		
1. Fill Materials 2. Construct Portland Cement Concrete Pavement	cu.m. sq.m.	1,263.00 4,440.00						

NOTE:
1] As stated in the Bid Data Sheet.
2] As appearing in the Recapitulation and/ or Final Bill of Quantities.
This statement shall be supported by:

a. Notice of Award, Notice to Proceed and Contract.
b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.
c. Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

Revised: September 2021

FINANCIAL DATA

A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

	Year
1. Total Assets	
2. Current Assets	
3. Total Liabilities	
4. Current Liabilities	
5. Net worth (1-3)	
6. Net Working Capital (2-4)	

B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = _____

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

_____
Name of Firm/Applicant

_____
Authorized Signing Official

Date:_____

NOTES:

If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid:

Position of Key Personnel 1]	Name	No. of Key Personnel	Similar Experience in the Position (Years) 2]	Total Experience in the Position (Years)	Attachment(s)	Annex(es)
Project Manager					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Project Engineer					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Materials Engineer I					PRC License (CE Preferred) Submit Valid and Renewed DPWH Certificate of Accreditation Submit Accreditation Identification Card as Materials Engineer Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Construction Safety and Health Officer					Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Foreman					Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Other Position(s)					Complete Qualification and Experience Data Certificate of Commitment	Annex "_"

NOTE: 1] As stated in the Bid Data Sheet
2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

Minimum qualification requirements: The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.

Project Manager - Five (5) years
Project Engineer - Three (3) years
Foreman - Five (5) years
Construction Safety and Health Officer – One (1) year
Materials Engineer – One (1) year
Materials Engineer I – for projects costing up to 100M
Materials Engineer II – for projects costing more than 100M

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output 1]	Owned, Leased, and/or under purchased agreement 2]	Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3]	OTHER INFORMATION (As Applicable)				
					Manufacturer	Engine Serial No.	Chassis No./ Name of Vessel	Location	Status

NOTE:

1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.

2] Indicate if the pledged equipment are owned, leased or under purchase agreement.

3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit the following:

For equipment under lease agreement:

a. certification of availability of equipment from the equipment lessor for the duration of the project
b. duly Notarized copy of lease contract
c. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt

For equipment under purchase agreement:

a. certification of availability of equipment from the equipment vendor
b. duly Notarized copy of purchase agreement
d. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt or copy of conduction sticker, whichever is applicable.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

Omnibus Sworn Statement for Sole Proprietorship

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of _____ with office address at _____;

2. As the owner and sole proprietor, or authorized representative of _____, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Restoration of Damaged Pavement at Portion of Block 2, 4, 5, 7 and 13, Port of Cagayan de Oro,** Cagayan de Oro City, Misamis Oriental of the **Philippine Ports Authority**, as shown in the attached duly notarized Special Power of Attorney;

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institutions whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. The owner or sole proprietor is not related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Partnership or Cooperative

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Damaged Pavement at Portion of Block 2, 4, 5, 7 and 13, Port of Cagayan de Oro, Cagayan de Oro City, Misamis Oriental**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Corporation or Joint Venture

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Damaged Pavement at Portion of Block 2, 4, 5, 7 and 13, Port of Cagayan de Oro,** Cagayan de Oro City, Misamis Oriental, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

CONSTRUCTION METHODOLOGY

Name of Project : _____

Project Description : _____

Location : _____

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

NOTES:

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

- Demolition and Disposal of Damaged Pavement
- Excavation and Disposal/Hauling of Unsuitable Materials
- Supply, Fabricate, and Install Reinforcement Bars
- Subgrade Preparation and Compaction
- Supply, Spread, and Compact Aggregate Subbase Coarse
- Supply, Spread and Compact Base Coarse
- Construct Portland Cement Concrete Pavement (Including PCCP) including dowel bars
- Repair of Angle Bar Expansion Joint Along Berth 13 & 14
- Concrete Works for Drainage Cover at Area G
- Supply, Fabricate and install reinforcement bar for Drainage Cover at Area G
- Repair/Replace of Drainage Manhole Cover
- Repair of Concrete Curb and Gutter
- Repair of Angle Bar along drainage line at Portion of Block 2
- Supply of labor, materials and equipment for the repair of reinforced concrete curb

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

MANPOWER (Minimum)	CONTRACT DURATION (_____ Calendar Days)																		
	MONTHLY																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Manager																				
Project Engineer																				
Materials Engineer I																				
Construction Safety and Health Officer																				
Foreman																				
Specify other applicable positions, ie.:																				
- Carpenter																				
- Steelman																				
- Mason																				
- Electrician																				
- Rigger																				
- Others																				

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

EQUIPMENT (Minimum)	No. of Units	CONTRACT DURATION (_____ Calendar Days)																			
		M O N T H L Y																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Project Description : _____

Location : _____

Project Duration (days or months)	Payment Schedule (Monthly, in Pesos)	Cash flow (Quarterly, in Pesos)
TOTAL		

NOTES

- The cash flow by quarter and payment schedule should be consistent with the Bar Chart and S-curve.
- Payment schedule shall not be more than once a month.

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this _____ day of _____, _____ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute **[name and identification number of contract]** (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

   a. Philippine Bidding Documents (PBDs);
      i. Drawings/Plans;
      ii. Specifications;
      iii. Bill of Quantities;
      iv. General and Special Conditions of Contract;
      v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

   e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of **[total contract price in words and figures]** or such other sums as may be ascertained, **[Named of the bidder]** agrees to **[state the object of the contract]** in accordance with his/her/its Bid.

4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

JAY DANIEL R. SANTIAGO General Manager	**Name of Bidder/ Authorized Representative** (Signatory's Legal Capacity)
for:	for:
Philippine Ports Authority	**Contractor**

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]